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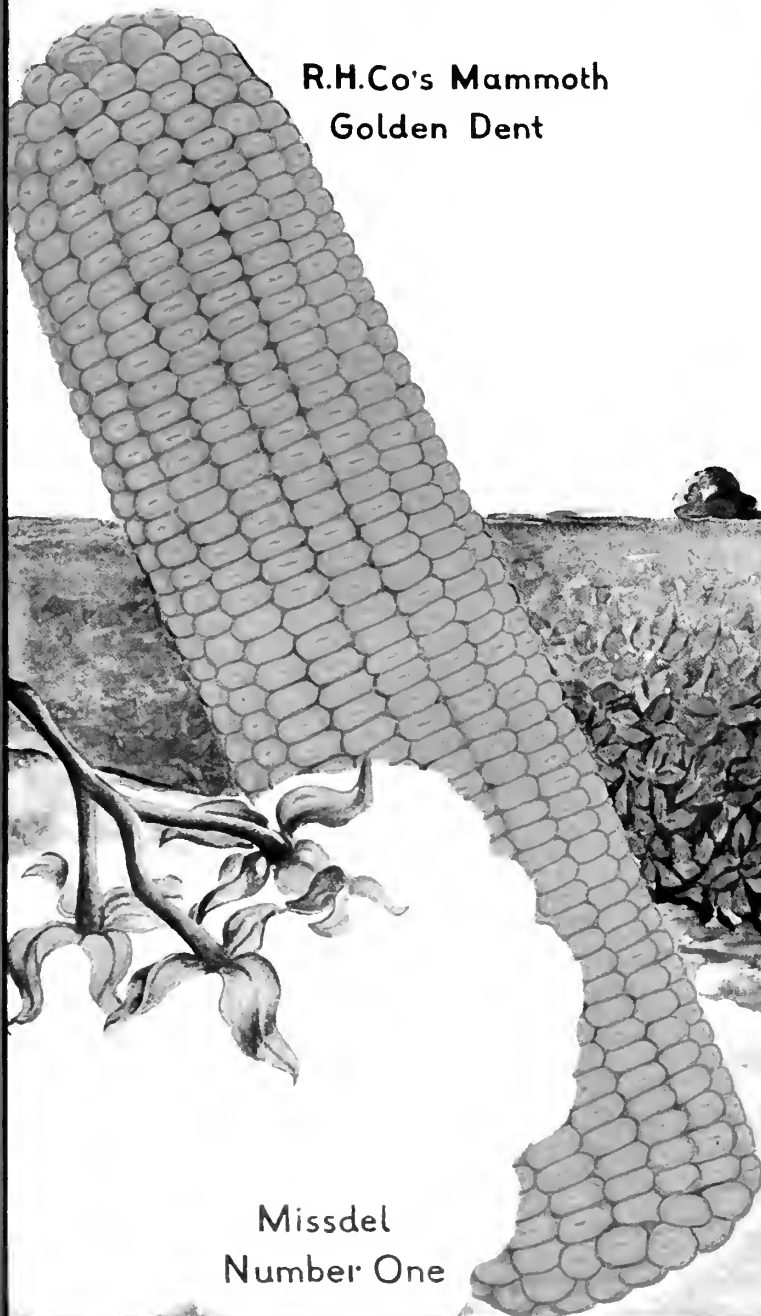


# TOP NOTCH SEEDS

# 1931

62.81

R.H.Co's Mammoth  
Golden Dent



Missdel  
Number One

Laredo  
Soy Beans

R.H.Co's Delta  
18 Alfalfa



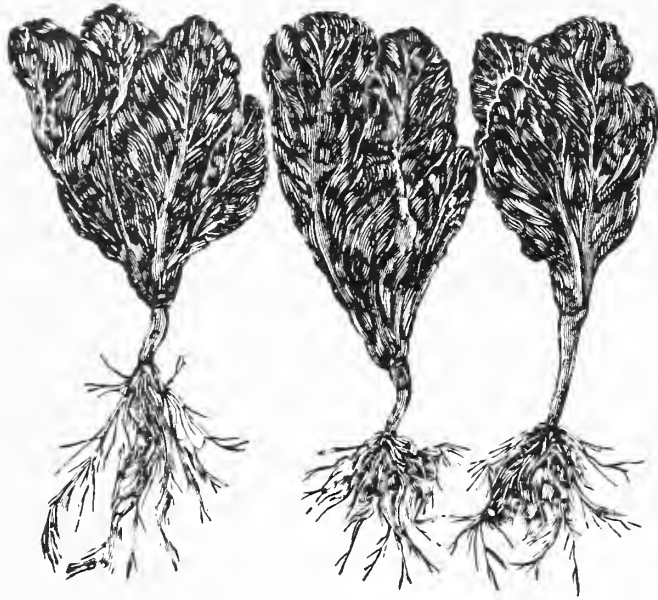
Vegetable Seed Trials

## RUSSELL-HECKLE SEED CO

## MEMPHIS, TENN.

SEVENTEEN YEARS CONSCIENTIOUS SERVICE

# RUSSELL-HECKLE CO.'S FROST PROOF CABBAGE PLANTS



These plants can be set out anywhere, and although the top of the plant does not grow until spring weather, the roots take hold immediately and develop, even though they should be covered with snow. Later, when the weather becomes favorable, they make an astonishing growth, due to their early start.

The market gardener who grows cabbages for shipment or the market must have extra early maturing crops if he wishes to obtain the highest prices.

Orders for plants will be shipped in about four or five days after they are received, if weather conditions permit. If plants do not arrive as soon as you expect them you may know that conditions beyond our control are causing the delay.

No plants shipped C. O. D. We will mail these plants at the postpaid prices named below to any address in the United States, except the far West or far North, or we will ship by express collect either from Memphis or from growing station. All plants must be paid for in advance. Please do not ask us to break this very necessary rule.

No order filled for less than 100 of a variety.

**VARIETIES AND PRICES:** Jersey Wakefield, Charleston Large Wakefield, and Early Flat Dutch. Prices: Parcel post paid, 100, 35c; 500, \$1.25; 1,000, \$2.35. Not prepaid, by express, from Memphis, 100, 25c; 500, \$1.00; 1,000, \$2.00. Prices, F. O. B. growing station, express collect: 1,000, \$1.50; 5,000, \$6.25; 10,000, \$11.00.

## R.-H. CO.'S BERMUDA ONION PLANTS

Onion plants are becoming more popular than onion sets. The set has to be absorbed by the new growth before it begins to form the new onion, whereas the plant begins to grow as soon as it is planted and makes more headway than the set, producing delicious young onions that can be pulled green, or if permitted to mature, will produce splendid onions two weeks ahead of onions from sets, and considerably earlier than onions from seeds. Onions grown from plants are larger and do not run to seed in the spring, like sets. They can be set cut at the same time you would plant onion sets or cabbage plants, with every assurance of producing a good crop of either young green onions or dry onions. Onion plants will usually produce onions much larger than those grown from dry sets. Plant in rows 15 inches apart and 3 to 4 inches apart in the row.

### Yellow or Straw Colored Bermuda Onion Plants

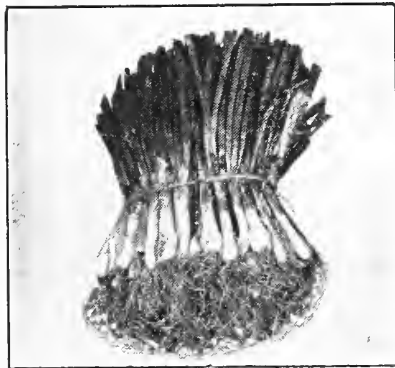
Prices, postpaid: 100, 25c; 500, 75c; 1,000, \$1.25; per crate, 6,000 plants, \$6.00. Prices not prepaid, from Memphis: 100, 15c; 500, 60c; 1,000, \$1.00; per crate, 6,000 plants, \$4.50.

Price f. o. b. growing station, per crate of 6,000 plants, \$4.00. Larger quantities at special prices.

### Crystal White Wax Bermuda Onion Plants

Prices, postpaid: 100, 30c; 500, 90c; 1,000, \$1.50; per crate, 6,000 plants, \$6.50. Not prepaid: 100, 20c; 500, 75c; 1,000, \$1.25; per crate, 6,000 plants, \$4.75.

Price, f. o. b. growing station, per crate, 6,000 plants, \$4.25. Larger quantities at special prices.



The principles of Muleh Paper are far beyond the experimental stage today. Its value is attested by statistics available to everyone. Statistics that show, for example, an increased yield in Muleh-Paper-grown spinach of 400%—in sweet corn of 250%—in sweet potatoes of 100%—in tobacco, cotton, beets, summer turnips, tomatoes and an almost unending variety of other farm products.

Unrolled over the proposed plant beds, and anchored by soil or other available material along the edges, Gator Hide Muleh Paper imprisons all the moisture in the soil. Its black surface catches and retains the sun's heat. This raises the soil's temperature, prevents cooling at night, and promotes continuous bacterial activity, liberating night and day nitrous food matter for the plant, producing bigger, better and earlier crops.

Muleh Paper will eliminate much labor of cultivating and weeding, produces earlier crops, and increases the yield.

Ask for descriptive pamphlets.

## GATOR HIDE MULCH PAPER



Tomato plants—each 10 weeks old—grown with and without Mulch Paper. Increase in yield for the mulch-grown was 44%.

Garden size package of Mulch Paper for the small places contains 45 feet of Grade B Paper.

Rolls 18 inches wide, \$1.00; mailed, \$1.20.

Most of us have used straw, leaves, peat, manure, etc., for a muleh. They are good, but not permanent nor perfect by any means. Mulch Paper is heavy Gator Hide Kraft Paper impregnated with asphalt. It is black in color, very tough, and is used on the soil surface. Seeds may be planted or plants set in holes punched in the paper, or paper laid between the rows. Thus, while ample space is provided for the plant, no space is left for weeds, and the nourishment they ordinarily steal from the soil is conserved for the crops you plant.

Gator Hide Mulch Paper comes in rolls 18 inches and 36 inches wide, each 150 lineal yards (450 feet) long.

Type B—Heavy weight, for all purposes:

Rolls 18 inches wide, 150 yards long, each \$3.50.

Rolls 36 inches wide, 150 yards long, each \$7.00

F. O. B. Memphis.



# IMPORTANT NOTICE

Conditions beyond our control force us to sell for CASH ONLY  
PLEASE DO NOT ASK FOR CREDIT

# RUSSELL-HECKLE'S GREEN INK QUANTITY PRICE LIST No. 68 — January 10th, 1931

These prices cancel all previous quotations. Parcel Post: If you order from this list to come by Parcel Post, be sure to include money for postage. All prices on this Green Ink List are f.o.b. Memphis.

## CLOVER SEED—Top Notch Brand

Catalogue Pages 1-2	10 lbs.	Bu.	100 lbs.
Alfalfa, Delta 18 Certified (Sealed 60-lb. bags only)	\$3.25	\$16.80	\$168.00
Alfalfa, Dakota 12, bu. 60 lbs.	3.00	19.00	\$31.00
Alfalfa, Hardy Northwestern, bu. 60 lbs.	2.65	16.75	27.00
Alfalfa, Western, bu. 60 lbs.	3.50	15.25	25.00
Alfalfa, Disco No. 28, bu. 60 lbs.	4.25	19.50	32.00
Alfalfa, Grimm, bu. 60 lbs.	3.00	23.75	39.00
Alsike Swedish Clover, bu. 60 lbs.	3.00	16.25	27.00
Black Medic, bu. 60 lbs.	3.00	16.25	27.00
Hop Clover, bu. 60 lbs.	3.50	19.00	30.00
Mammoth Sapling Red Clover, bu. 60 lbs.	1.25	3.00	11.00
Mellilotus, Wh. Sw. Clover, Scarified, bu. 60 lbs.	1.25	6.75	11.00
Mellilotus, Yellow Blossom Sw. Clover, bu. 60 lbs.	3.25	18.25	29.50
Red Clover, Top Notch, Native, bu. 60 lbs.	4.50	25.00	40.00
White Dutch Clover, bu. 60 lbs., Top Notch	3.60	20.00	32.00
White Dutch Clover, bu. 60 lbs., Choice			
Lespedeza, Native, bu. 25 lbs.	Ask Price		
Lespedeza, Kobe, bu. 25 lbs.	Ask Price		
Lespedeza, Korean, bu. 25 lbs.	Ask Price		
Lespedeza, Tenn. Station 76, bu. 25 lbs.	Ask Price		

## CORN—Field Seed

Bushel 56 lbs. Catalogue Pages 6-7-8	Per Bu.	2 Bu. Per Bu.
R.-H. Co.'s Top Notch Cocks Prolific	Prices	Later
R.-H. Co.'s Top Notch Hasting's Prolific	\$2.95	\$2.75
R.-H. Co.'s Top Notch Hickory King	2.95	2.75
R.-H. Co.'s Top Notch Little Willis	2.95	2.75
R.-H. Co.'s Top Notch Mexican June Native	2.95	2.75
R.-H. Co.'s Top Notch Mosby's Prolific	2.95	2.75
R.-H. Co.'s Top Notch North Carolina Prolific	2.95	2.75
R.-H. Co.'s Top Notch Early White Dent	2.40	2.20
R.-H. Co.'s Top Notch Gourd Seed White Red Cob	2.95	2.75
R.-H. Co.'s Top Notch Paymaster	2.95	2.75
R.-H. Co.'s Top Notch St. Charles White Red Cob	2.40	2.20
R.-H. Co.'s Top Notch Sure Cropper	2.95	2.75
R.-H. Co.'s Top Notch Tait's White Dent	3.00	2.80
R.-H. Co.'s Top Notch Tenn. White Red Cob	2.40	2.20
R.-H. Co.'s Top Notch Silver Mine	2.95	2.75
R.-H. Co.'s Top Notch Gold Mine	2.40	2.20
R.-H. Co.'s Top Notch Jarvis Golden Prolific	2.80	2.60
R.-H. Co.'s Top Notch Reid's Early Yellow Dent	2.40	2.20
R.-H. Co.'s Top Notch 90 Day Ea. Yellow Dent	2.40	2.20
R.-H. Co.'s Top Notch Gourd Seed Yellow	2.95	2.75

## COMMERCIAL GRADE SEED CORN

	Per Bu.	2 Bu. Per Bu.
Commercial Mexican June	Prices	Later
Commercial Early White Dent	\$1.75	\$1.60
Commercial Paymaster	2.10	1.95
Commercial St. Chas. White Red Cob	1.75	1.60
Commercial Tenn. White Red Cob	2.10	1.95
Commercial Silver Mine	1.75	1.60
Commercial Gold Mine	1.75	1.60
Commercial Reid's Yellow Dent	1.75	1.60
Commercial Early Yellow Dent	1.75	1.60
Commercial Mosby Prolific	2.10	1.95

## GRASS SEEDS—Top Notch Brand

Catalogue Pages 9-10	10 lbs.	50 lbs.	100 lbs.
Bermuda Grass, 40 lbs.	\$3.75	\$16.50	\$32.00
Carpet Grass, bu. 30 lbs.	3.90	17.00	32.00
Chicken Pasture Mixture, bu. 40 lbs.	1.20	5.00	9.00
Creeping Bent Grass, bu. 14 lbs.	12.00	50.00	95.00
Dallas Grass, bu. 10 lbs.	4.50	21.50	40.00
Domestic Rye Grass, bu. 30 lbs.	1.25	5.50	10.00
Evergreen Lawn Grass, bu. 21 lbs.	3.80	18.00	34.00
Kentucky Blue Grass, bu. 21 lbs.	4.50	22.00	42.00
Orchard Grass, bu. 14 lbs.	2.60	12.00	23.00
Pasture Grass, No. 1 and 2, bu. 25 lbs.	2.20	9.50	18.00
Permanent Hog Pasture Grass Mixt., bu. 30 lbs.	2.25	10.50	20.00
Red Top Herd's Grass, bu. 30 lbs.	3.40	16.00	30.00
Shady Spod Lawn, bu. 20 lbs.	4.90	23.50	45.00
Sudan Grass, bu. 50 lbs.	1.25	4.75	8.90
Timothy Seed, bu. 45 lbs.	1.50	7.00	12.75
Timothy and Alsike Mixed, bu. 50 lbs.	2.00	9.00	17.00

## COTTONSEED—Culled and Graded

Catalogue Page No. 5	100 lbs.	500 lbs.
Bu. 32 lbs. packed 100 lb. bags.		
R.-H. Co.'s Top Notch Acala No. 5	\$4.00	\$3.75
R.-H. Co.'s Top Notch Coker's Cleveland No. 5	4.00	3.75
R.-H. Co.'s Top Notch D. & P. L. No. 4	4.00	3.75
R.-H. Co.'s Top Notch Half & Half	3.75	3.50
R.-H. Co.'s Top Notch Humco Cleveland No. 20	4.00	3.75
R.-H. Co.'s Top Notch Miss. Station Trice	4.75	4.50
R.-H. Co.'s Top Notch Rowden 40 Big Boll	4.00	3.75
R.-H. Co.'s Top Notch Wannamaker Cleveland	4.00	3.75

## COTTON SEED—Grown by Delta Pedigreed Seed Association

Catalogue Pages 3-4	100 lbs.	20 Sacks
Sold only in original 100 lb. bags.		
Delta Pedigreed Seed Assn. Missdel No. 1	\$5.00	\$5.00
Delta Pedigreed Seed Assn. Missdel No. 2	5.00	85.00
Delta Pedigreed Seed Assn. D. & P. L. No. 4	5.50	100.00
Delta Pedigreed Seed Assn. Delfos No. 911	5.00	85.00
Delta Pedigreed Seed Assn. Delfos No. 1374	5.00	85.00
Delta Pedigreed Seed Assn. Stoneville No. 1	5.50	95.00
Delta Pedigreed Seed Assn. Stoneville No. 2	5.50	95.00
Delta Pedigreed Seed Assn. Wilds No. 1	5.50	95.00
Delta Pedigreed Seed Assn. Express No. 121	5.50	95.00

## KAFFIR CORN, MILO, ETC.

Bu. 50 lbs. Catalogue Pages 12-14	Peck	Bu.	100 lbs.
Darso	\$0.80	\$2.50	\$4.25
Egyptian Wheat or Shallu	1.25	4.50	8.50
Feterita	.85	2.75	4.75
Red Kaffir Corn	.85	2.75	4.75
Shrock Kaffir	.85	2.75	4.75
Yellow Milo Maize	.80	2.50	4.50
White Kaffir Corn	.80	2.50	4.50

## MILLET

Catalogue Page 11	Peck	Bu.	100 lbs.
Hungarian Millet, bu. 48 lbs.	\$0.95	\$3.25	\$6.25
Japanese Barn Yard Millet, bu. 40 lbs.	1.00	3.00	6.50
Pearl or Cattail Millet, bu. 50 lbs.	2.25	7.50	13.00
Tennessee Golden Millet, bu. 50 lbs.	1.00	3.50	6.50

## MISCELLANEOUS FIELD SEEDS

Catalogue Pages 9-13-14	Peck	Bu.	100 lbs.
Broom Corn Mo. Evergreen, bu. 46 lbs.	\$1.25	\$4.40	\$8.50
Broom Corn Okla. Dwarf, bu. 46 lbs.	1.25	4.40	8.50
Buckwheat Seed, bu. 50 lbs.	.80	2.50	4.50
Chicken Pasture Mixture, bu. 40 lbs.	1.20	4.00	9.00
Chufas, Earth Almond, bu. 40 lbs.	1.50	5.50	13.50
Peas, Austrian Winter, bu. 50 lbs.	1.50	5.50	9.50
Peas, Canada Field, bu. 60 lbs.	1.25	4.25	6.50
Rape, Dwarf Essex, bu. 50 lbs.	1.20	4.75	8.50
Sunflower, Mam. Russian, bu. 25 lbs.	.85	2.75	9.50
Thousand Head Kale, bu. 50 lbs.	3.25	12.00	22.00
Vetch, Winter Hairy or Sand, bu. 50 lbs.	1.85	6.75	12.50

## OATS—Seed

Bu. 32 lbs. Catalogue Page 11	Bu.	5 bu.	25 bu.
Appler	\$0.90	\$0.80	\$0.75
Early Burt	.85	.75	.70
Fulghum	.90	.80	.75
Kanota	.95	.85	.80
Red Rust Proof	.85	.75	.70

## PEANUTS

Bu. 22 lbs. Catalogue Page 14	Peck	Bu.	100 lbs.
Spanish	\$0.75	\$2.15	\$8.50
Tenn. Long Red	.75	2.15	8.50
Valencia	1.00	3.40	14.50
White Virginia	.75	2.25	8.50

## PEAS—Stock

Recleaned, bu. 60 lbs. Catalogue Page 14	Peck	Bu.	5 bu.
Blacks			
Brabams			
Clays			
Mixed			
New Era			
Red Tipper			
Whippoorwill or Speckled			
Wonderful or Unknown			
Large Calif. White Blackeyes			
Brown or Clay Crowder			
White Lady			
White Sugar Crowder			

Prices on Request.  
Write us when ready to buy.

## POTATOES—Irish

Bu. 60 lbs. Catalogue Page 35	Peck	Bu.	2 1/2 bu.
Certified Red Triumph	\$0.70	\$2.10	\$2.00
Certified Irish Cobbler	.75	2.20	2.10
Non-Certified Red Triumph	.60	1.90	1.80
Non-Certified Irish Cobbler	.65	2.00	1.90
Lookout Mountain, for summer planting			
McCormick, for summer planting			

Prices Made June 1st  
Prices Made June 1st

## POTATOES—Sweet

Sold by measured hampers only. Catalogue Page 35.  
Shipped direct from our growers about March 15.

	Bu.	5 1-bu.
	Hmpr.	Hmpers.
Certified Nancy Hall, Seed Sweets.....	\$1.75	\$7.00
Certified Porto Rican, Seed Sweets.....	1.75	7.00

## POTATO SLIPS—Sweet, Certified

Shipped direct from our growers by  
express only. Plants ready April 1st.  
Catalogue Page 35.

	500	1000	5000
	\$1.75	\$2.75	\$12.50
Certified Nancy Hall Plants.....			
Certified Porto Rican Plants.....	1.75	2.75	12.50

## POPCORN—Seed

Catalogue Page 8

	10 lbs.	25 lbs.	100 lbs.
	\$1.25	\$3.00	\$11.00
Borden's Baby Rice.....			
Japanese Rice.....	1.10	2.50	9.00
Queen's Golden.....	1.25	2.75	10.00
Red Beauty.....	1.25	2.75	10.00
White Rice.....	1.10	2.50	9.00

## SAGRAIN AND SORGHUM SEED

Bu. 50 lbs. Catalogue Page 12

	Peck	Bu.	100 lbs.
	\$1.25	\$4.50	\$8.00
Sagrain Improved No. 303.....			
Sagrain.....	.85	2.75	5.00
Early Amber Sorghum.....	.70	2.10	3.75
Early Orange Sorghum.....	.75	2.25	3.90
Honey or Sugar Drip.....	.90	3.00	5.50
Japanese Honey.....	1.25	4.00	7.00
Red Top or Sumac.....	.85	2.75	4.75
Texas Seeded Ribbon Cane.....	.90	3.00	5.50

## SPECIAL NOTICE

We have selected our syrup cane seeds with special care from the very best source, but it is humanly impossible to guarantee a syrup crop.

## SOY, VELVET AND MUNG BEANS

Bu. 60 lbs. Catalogue Page 13

	Peck	Bu.	5 bu.
			Per bu.
Biloxi Soy Beans.....			
George Washington Soy Beans.....			
Laredo Soy Beans.....			
Mammoth Yellow Soy Beans.....			
Otootan Soy Beans.....			
Tanloxi Soy Beans.....			
Virginia Soy Beans.....			
Early Speckled Velvet Beans.....			
Mung Beans.....			

Ask  
Price

## CERESAN—SEMESAN

Makes Larger Yields of Corn, Potatoes and Vegetables.  
Catalogue Page 15. Prices by express only. Not Mailable.

### CERESAN

For sorghum, milo, oats and other small grains  
8 oz. tin, 50c. 1 lb. tin, 75c. 5 lb. tin, \$3.00.  
Ask for circulars.

### SEMESAN BEL

For Potatoes and Bulbs. For Field and Sweet Corn.  
4 oz. tin, 50c. 1 lb. tin, \$1.75. 4 oz. tin, 50c. 1 lb. tin, \$1.75.  
5 lb. tin, \$8.00. 5 lb. tin, \$8.00.

### SEMESAN

For vegetable, flower seeds.  
2 oz. tin, 50c. 1 lb. tin, \$2.75. 5 lb. tin, \$13.00.

### CROW TOX

Keeps black birds and crows from pulling up freshly planted corn.  
½ pt. can treats 1 bu. seed corn, \$0.75.  
1 pt. can treats 2 bu. seed corn, 1.25.

## CULTURES OR INOCULATIONS

Catalogue Pages 16-17

R.-H. Co.'s Top Notch Cultures for Alfalfa and all Clovers; specify crop when ordering.  
½ bu. size, each 60c. 1 bu. size, each \$1.00.  
5 bu. size, each \$4.00.

### NITRAGIN.

For Alfalfa and all clovers.  
¼ bu. size, each \$0.40. ½ bu. size, each \$0.60.  
1 bu. size, each 1.00. 5 bu. size, each 4.75.

### R.-H. Co.'s TOP NOTCH CULTURES.

For soy beans, cowpeas, vetch, Austrian Winter Peas and Lespedeza.  
1 bu. size, 40c. 5 bu. size, \$1.50. 10 bu. size, \$2.50.

### NITRAGIN.

For soy beans and cowpeas.  
1 bu. size, 40c. 5 bu. size, \$1.50.  
2 bu. size, 70c. 10 bu. size, \$2.50.  
Be sure to specify crop when ordering.

## BEANS—Bush, Green and Wax Pod

60 lbs. to bu. Catalogue Page 20

	Gal.	Peck	Bu.
	\$1.25	\$2.25	\$ 8.75
Black Valentine.....			
Bountiful.....	1.45	2.75	10.80
Burpee's Stringless Green Pod.....	1.25	2.35	9.00
Early Stringless Red Valentine.....	2.00	3.50	12.50
Full Measure.....	1.50	2.70	10.50
Giant Stringless Green Pod.....	1.35	2.50	9.60
Imp. Early Red Valentine.....	1.25	2.25	8.75

	Gal.	Peck	Bu.
	\$1.25	\$2.45	\$9.50
Refugee or 1000 to 1.....			
Tenn. Green Pod.....	1.40	2.60	10.00
Currie's Rust Proof Wax.....	1.40	2.60	10.00
Davis Wax.....	1.50	2.75	10.50
Improved Golden Wax.....	1.35	2.50	9.60
Pencil Pod Wax.....	1.35	2.50	9.60
Prolific Black Wax.....	1.25	2.35	9.00
Sure Crop Wax.....	1.40	2.60	10.00
Webber Wax.....	1.50	2.75	10.50

## BEANS—Bush Lima

60 lbs. to bu. Catalogue Page 19

	Gal.	Peck	Bu.
	\$1.35	\$3.50	\$13.50
Burpee's Imp. Bush Lima.....			
Ford Hook Bush Lima.....	2.10	4.00	15.50
Henderson's Bush Lima.....	1.25	2.35	9.00
Never Fail Bush Lima.....	1.40	2.60	10.00
Wood's Prolific Bush Lima.....	1.50	2.75	10.50

## BEANS—Pole or Running

60 lbs. to bu. Catalogue Page 21

	Gal.	Peck	Bu.
	\$1.30	\$2.50	\$9.50
Burger's Stringless Green Pod.....			
Kentucky Wonder or Old Homestead.....	1.20	2.25	8.75
McCaslan.....	1.50	2.75	10.50
Red Speckled Cut Short.....	1.50	2.75	10.50
R.-H. Co.'s Ideal Pole Beans.....	1.25	2.40	9.00
Scotia or Striped Cornfield.....	1.25	2.40	9.25
Tennessee Wonder.....	1.50	2.75	10.50
White Creasback or Fat Horse.....	1.40	2.60	10.00

## BEANS—Pole, Butter and Lima

60 lbs. to bu. Catalogue Page 21

	Gal.	Peck	Bu.
	\$1.35	\$2.50	\$ 9.50
Carolina Sieve, Small Pole Butter.....			
Calico or Florida Speckled Butter.....	1.50	2.85	11.00
King of the Garden Lima.....	1.65	3.15	12.00
Large White Lima.....	1.65	3.15	12.00
R.-H. Co.'s Improved Butter.....	1.60	3.00	11.50

## BEANS—Field or Shell

60 lbs. to bu. Catalogue Page 14

	Gal.	Peck	Bu.
	\$1.00	\$1.75	\$6.75
Great Northern.....			
Red Kidney.....	1.20	2.25	8.75
White Kidney.....	1.20	2.25	8.75
White Marrow.....	1.20	2.25	8.75
White Navy or Pea Beans.....	1.00	1.75	6.75

## BEETS

Catalogue Page 22

	1 lb.	5 lbs.	10 lbs.
	\$0.50	\$1.75	\$3.00
Crosby's Egyptian.....			
Detroit Dark Red.....	.60	2.00	3.50
Early Blood Turnip.....	.50	1.75	3.00
R.-H. Co.'s Early Wonder.....	.60	2.00	3.50
R.-H. Co.'s Ideal.....	.65	2.50	4.50
Giant Feeding Sugar Beet.....	.35	1.50	2.50
Golden Tankard Mangel Beet.....	.35	1.50	2.50
Klein Wanzleben Beet.....	.40	1.75	3.00
Mammoth Long Red Mangel Beet.....	.35	1.50	2.50

## CABBAGE

Catalogue Page 23

	1 lb.	5 lbs.	10 lbs.
	\$1.00	\$4.75	\$9.00
Charleston Large Wakefield.....			
Early Drumhead.....	1.15	5.00	9.50
Early Jersey Wakefield.....	1.00	4.75	9.00
Early Flat Dutch.....	1.15	5.00	9.50
Early Summer.....	1.15	5.00	9.50
Golden Acre.....	2.75	12.00	22.50
Large Late Drumhead.....	1.00	4.75	9.00
Large Late Flat Dutch.....	1.00	4.75	9.00
Large Drumhead Savoy.....	1.15	5.00	9.50
Succession.....	1.15	5.00	9.50

## CABBAGE PLANTS—Frost Proof

Catalogue Cover Page and Page 23

	1000	5000	10000
	\$2.00	\$8.75	\$15.00
Charleston Wakefield, Jersey Wakefield, Early Flat Dutch, prices f.o.b. Memphis.....			
Prices f.o.b. Growing Station, any variety.....	1.50	6.25	11.00

## CANTALOUPE

Catalogue Page 29

	1 lb.	5 lbs.	10 lbs.
	\$0.75	\$3.00	\$5.50
Aeae or Baltimore.....			
Early Green Nutmeg.....	.75	3.00	5.50
Hale's Best.....	.75	3.00	5.00
Hearts of Gold.....	.75	3.00	5.00
Lake Champlain.....	.90	4.00	7.50
Mammoth Rocky Ford.....	.85	3.75	6.00
Pink Meat Rocky Ford.....	.75	3.00	5.50
Rocky Ford Select.....	.70	3.00	5.50
Superfecto.....	1.25	5.00	8.50
Tip Top Nutmeg.....	.75	3.00	5.50

## CARROTS

Catalogue Page 24

	1 lb.	5 lbs.	10 lbs.
	\$0.60	\$2.50	\$4.50
Danver's Half Long.....			
Half Long Scarlet Chantenay.....	.60	2.50	4.50
Improved Long Orange.....	.50	2.25	4.00
Oxheart.....	.60	2.50	4.50
Yellow Belgian.....	.50	2.25	4.00

## COLLARDS

Catalogue Page 24

	1 lb.	5 lbs.	10 lbs.
	\$0.50	\$2.25	\$3.50
Georgia White Cabbage.....			
Southern or Georgia.....	.50	2.25	3.50

## CORN—Garden

56 lbs. to bu. Catalogue Page 25	Gal.	Peck	Bu.
Early Large Adams.....	\$0.75	\$1.25	\$4.50
Elam's Early Market.....	.75	1.25	4.50
Extra Early Adams.....	.75	1.25	4.50
Improved Adams.....	.75	1.25	4.50
R.-H. Co.'s Early Surprise.....	.65	1.10	3.75
Snowflake Genuine.....	.60	1.00	3.50
Trucker's Favorite.....	.60	1.00	3.25

## CORN—Sweet

Sold by measure only. Catalogue Page 25	Gal.	Peck	Bu.
Country Gentleman.....	\$1.25	\$2.25	\$8.50
Golden Bantam.....	.90	1.70	6.25
Golden Sunshine.....	1.00	1.75	6.50
Howling Mob.....	1.00	1.85	7.00
Mammoth Sugar.....	1.00	1.75	6.75
Stowell's Evergreen.....	1.00	1.85	7.00
Whippell's Early Yellow.....	1.00	1.75	6.75

## CUCUMBERS

Catalogue Page 26	1 lb.	5 lbs.	10 lbs.
Black Diamond.....	\$1.00	\$4.00	\$7.50
Chicago Pickle.....	.75	3.00	5.50
Davis Perfect.....	.75	3.25	6.00
Early Fortune.....	.75	3.25	6.00
Early Green Cluster.....	.70	3.00	5.50
Extra Early Long Green.....	.85	3.75	6.50
Evergreen White Spine.....	.75	3.00	5.50
Imp. Early White Spine.....	.70	2.75	5.00
Imp. Long Green.....	.80	3.75	6.50
Stay Green.....	.85	3.75	7.00
The Vaughan.....	1.10	5.00	9.50

## EGG PLANT—Endive

Catalogue Page 27	Oz.	¼ lb.	1 lb.
Black Beauty Egg Plant.....	\$0.35	\$1.00	\$3.25
N. Y. Imp. Purple Egg Plant.....	.35	1.00	3.25
Broad Leaved Batavian.....	.15	.40	1.25
Large Green Curled Endive.....	.15	.35	1.00

## KALE—Kohl Rabi, Leek

Catalogue Page 27	1 lb.	5 lbs.	10 lbs.
Dwarf Green Curled Kale.....	\$0.50	\$2.25	\$4.25
Early White Vienna Kohl Rabi.....	1.50	6.50	12.00
London Flag Leek.....	1.35	6.25	11.50

## LETTUCE

Catalogue Page 28	¼ lb.	1 lb.	5 lbs.
Big Boston.....	\$0.35	\$1.00	\$4.00
Hanson Improved.....	.40	.90	3.75
Iceberg.....	.40	1.25	5.00
New York or Wonderful.....	.50	1.25	5.00
Prizehead.....	.35	.90	3.75
R.-H. Co.'s Imperial No. 2.....	.50	1.50	6.00
White Boston.....	.50	1.25	5.50

## MUSTARD

Catalogue Pages 28-32	1 lb.	5 lbs.	10 lbs.
Chinese Mammoth.....	\$0.35	\$1.50	\$2.75
Elephant Ear.....	.40	1.75	3.00
Florida Broad Leaf.....	.50	2.00	3.50
Large Smooth Leaf.....	.50	2.00	3.50
Ostrich Plume.....	.40	1.75	3.00
Southern Giant Curled.....	.35	1.50	2.50
Long Standing Giant, Curled.....	.40	1.75	3.00
Japanese Mustard-Spinach.....	.75	3.50	6.50

## OKRA

Catalogue Page 32	1 lb.	5 lbs.	10 lbs.
Early Dwarf Green.....	.35	1.50	2.50
Tall or Long Green.....	.35	1.50	2.50
White Velvet.....	.35	1.50	2.50

## ONION SEED

Catalogue Page 32	1 lb.	5 lbs.	10 lbs.
Large Red Globe.....	\$1.40	\$6.25	\$11.50
Large Red Wethersfield.....	1.35	6.25	11.50
Prizetaker.....	1.40	6.50	12.00
Sweet Spanish.....	1.75	8.00	15.00
White Silver Skin.....	2.00	8.00	15.00
Yellow Globe Danvers.....	1.35	6.25	11.50
Yellow or Straw Colored Bermuda.....	2.10	10.00	19.00

## ONION SETS

Catalogue Page 32	¼ bu.	½ bu.	1 bu.
Red Wethersfield, bu. 32 lbs.....	\$0.75	\$1.35	\$2.25
Yellow Danvers, bu. 32 lbs.....	.75	1.25	2.25
White Silver Skin, bu. 32 lbs.....	.90	1.45	2.75
White Multiplier, bu. 28 lbs.....	1.00	1.90	3.60

## ONION PLANTS—Bermuda

Catalogue Front Cover and Page 32	F.O.B. Memphis
Crystal White Wax Bermuda.....	1000 6000
Yellow or Straw Colored Bermuda.....	\$1.00 \$4.50
Price F.O.B. Growing Station in original crates, 6000 to crate.....	.90 4.20
Crystal White Wax, 6000 for.....	3.60
Yellow or Straw Colored Bermuda, 6000 for.....	3.30

## PARSLEY—PARSNIP

Catalogue Page 33	1 lb.	5 lbs.	10 lbs.
Champion Moss Curled Parsley.....	\$0.70	\$3.00	\$5.00
Double Curled Parsley.....	.70	3.00	5.00
Sugar or Hollow Crown Parsnip.....	.60	2.50	4.00

## PEAS—English

Smooth. Bu. 60 lbs. Catalogue Page 34	Gal.	Peck	Bu.
Early Alaska.....	\$1.00	\$1.85	\$7.00
Large White Marrowfat.....	1.00	1.85	7.00
R. H. Co.'s First of All.....	1.35	2.50	9.50

## PEAS—English

Wrinkled. Bu. 56 lbs. Catalogue Page 34	Gal.	Peck	¾ Bu.
Alderman.....	\$1.25	\$2.25	\$8.50
American Wonder.....	1.25	2.40	9.00
Bliss Everbearing.....	1.25	2.40	9.00
Champion of England.....	1.20	2.25	8.75
Gradus or Prosperity.....	1.25	2.25	8.50
Laxtonian.....	1.25	2.25	8.50
Laxton's Progress.....	1.15	2.25	8.50
McLean's Little Gem.....	1.25	2.35	9.00
Nott's Excelsior.....	1.25	2.35	9.00
Telephone.....	1.25	2.25	8.50
Thos. Laxton.....	1.25	2.35	9.00

## PEPPER

Catalogue Page 33	Oz.	¼ lb.	1 lb.
Bell or Bull Nose.....	\$0.25	\$0.60	\$2.25
California Wonder.....	.35	1.00	3.50
Chinese Giant.....	.45	1.25	4.25
Long Red Cayenne.....	.25	.60	2.25
Pimento.....	.25	.60	2.00
World Beater.....	.35	.90	3.00

## PUMPKIN

Catalogue Page 35	1 lb.	5 lbs.	10 lbs.
Japanese Pie.....	\$0.75	\$3.25	\$6.00
Kentucky Yellow Field.....	.35	1.50	2.50
King of the Mammoth.....	1.00	4.50	7.50
Striped Cushaw.....	.75	3.25	6.00
Small Sugar.....	.85	3.75	6.50
Tennessee Sweet Potato.....	.75	3.25	6.00

## RADISH

Catalogue Page 36	1 lb.	5 lbs.	10 lbs.
Cooper's Sparkler.....	\$0.45	\$1.75	\$3.00
Early Long Scarlet Short Top.....	.50	2.00	3.50
Early Scarlet Globe.....	.45	2.00	3.50
Early Scarlet Turnip.....	.45	2.00	3.50
Early Scarlet Turnip White Tip.....	.40	1.75	3.00
French Breakfast.....	.40	1.75	3.00
Icele.....	.45	2.00	3.50
R.-H. Co.'s Perfection White Tip.....	.45	2.00	3.50
Scarlet Gem Forcing.....	.60	2.50	4.50

## SALSIFY—SWISS CHARD—SQUASH

Catalogue Page 37	1 lb.	5 lbs.	10 lbs.
Mammoth Sandwich Island Salsify.....	\$1.75	\$7.50	\$14.00
Lucullus Swiss Chard.....	.50	2.25	4.00
Early White Bush Squash.....	.75	3.00	5.00
Giant Yellow Crookneck Squash.....	.75	3.50	6.50
Giant Yellow Straight Neck Squash.....	1.00	4.00	7.00
Mammoth White Bush Squash.....	.75	3.00	5.50
Yellow Summer Crookneck Squash.....	.75	3.50	6.00

## SPINACH

Catalogue Page 37	5 lbs.	25 lbs.	100 lbs.
Bloomsdale Curled Savoy.....	\$1.00	\$3.75	\$14.00
Eskimo Giant.....	1.50	5.00	18.00
King of Denmark.....	1.50	5.00	18.00
Long Standing Bloomsdale Savoy.....	1.25	4.50	16.00
New Zealand.....	2.50	10.00	30.00

## TOMATO

Catalogue Pages 38-39	¼ lb.	1 lb.	5 lbs.
Bonny Best.....	\$1.00	\$1.75	\$7.50
Early Detroit.....	1.60	3.00	13.75
Early Detroit Special Stock.....	2.50	4.50	21.25
Gulf State Market.....	1.60	3.00	13.75
Gulf State Market Special Stock.....	2.50	4.50	21.25
Livingston Globe.....	1.50	2.75	12.50
Livingston Globe Special Stock.....	2.50	4.25	20.00
Marglobe Wilt Resistant.....	1.75	3.25	15.00
Norton Wilt Resistant.....	1.25	2.25	10.00
Ponderosa.....	2.00	3.75	17.50
Stone.....	1.00	1.60	7.00

## TURNIP SEED

Catalogue Page 40	1 lb.	5 lbs.	10 lbs.
Ex. Ea. White Egg.....	\$0.35	\$1.50	\$2.50
Large White Globe.....	.35	1.50	2.50
Mammoth Purple Top Globe.....	.35	1.50	2.50
Red or Purple Top Strap Leaf.....	.35	1.50	2.50
R.-H. Co.'s Am. Red Top Globe.....	.50	2.25	4.00
Southern Seven Top.....	.35	1.25	2.00
Shogun Japanese Louse Resistant.....	.75	3.50	6.50
White Flat Dutch Strap Leaf.....	.35	1.50	2.50
Yellow Aberdeen Purple Top.....	.40	1.75	3.00
Yellow Rutabaga Purple Top.....	.40	1.75	3.00
Mixed Varieties Turnip Seed.....	.35	1.50	2.40

## WATERMELON

Catalogue Pages 30-31	1 lb.	5 lbs.	10 lbs.
Angel Kiss.....	\$0.50	\$2.25	\$4.00
Excel.....	.60	2.75	5.00
Florida Favorite.....	.60	2.50	4.50
Georgia Rattlesnake.....	.60	2.50	4.50

# RUSSELL-HECKLE SEED CO., MEMPHIS, TENN.

## WATERMELON

Catalogue Pages 30-31

	1 lb.	5 lbs.	10 lbs.
Halbert Honey.....	\$ .60	\$2.50	\$4.50
Irish Grey.....	.60	2.50	4.50
Kleckley's Sweet.....	.60	2.50	4.50
New Wonder.....	.60	2.50	4.50
Ribault.....	1.00	4.50	7.50
R.-H. Co.'s Big Boy.....	1.50	6.50	11.00
Schlocher.....	1.25	5.50	10.00
Stone Mountain.....	.90	4.00	7.50
Thurmond Grey.....	.60	2.50	4.50
Tom Watson.....	.50	2.00	3.50
Special Angel Kiss.....	1.50	6.75	12.00
Special Georgia Rattlesnake.....	1.25	5.50	10.00
Special Halbert Honey.....	1.25	5.50	10.00
Special Irish Grey.....	1.25	5.50	10.00
Special Kleckley's Sweet.....	1.25	5.50	10.00
Special New Wonder.....	1.40	6.25	11.00
Special R.-H. Co.'s Big Boy.....	2.25	10.00	17.50
Special Schlocher.....	2.00	9.00	16.00
Special Stone Mountain.....	1.75	8.00	15.00
Special Tom Watson.....	1.25	5.50	10.00

## BIRD SEED—In Bulk

Recleaned Stock. Catalogue Page 69.

	10 lbs.	25 lbs.
Bird Hemp.....	\$0.80	\$1.75
Bird Millet.....	.60	1.25
Bird Rape.....	.95	2.25
Canary Seed.....	1.00	2.25
Mixed Canary Seed.....	.90	2.00
Sunflower.....	1.00	2.00

## FERTILIZERS

Catalogue Pages 62-63

	100 lbs.	Ton
R.-H. Co.'s Acid Phosphate, 16%.....	\$1.50	\$23.50
R.-H. Co.'s Bone Meal Fertilizer, 22%.....	3.25	57.00
R.-H. Co.'s Good Luck Corn Fertilizer, 4-8-4.....	2.40	40.00
R.-H. Co.'s Good Luck Cotton Fertilizer, 4-8-4.....	2.40	40.00
R.-H. Co.'s Special Cotton Fertilizer, 5-10-3.....	2.60	45.00
R.-H. Co.'s Early Truckee, 4-8-4.....	2.40	40.00
R.-H. Co.'s Lard Plaster Agricultural Gypsum.....	1.40	24.00
R.-H. Co.'s Kainit Potash Salts, 14%.....	1.50	25.00
R.-H. Co.'s Murate of Potash, 48%.....	3.25	53.00
Nitrate of Soda.....	2.85	53.00
Arcaidian Sulphate of Ammonia.....	2.85	53.00
Calcium Nitrate, 15% Nitrogen.....	2.65	49.00
Cal-Nitro, 16% Nitrogen.....	2.70	50.00
Nitrophoska, 15-30-15.....	5.50	95.00
R. H. Co.'s Sheep Manure.....	2.25	35.00
Agricultural Lime, 40 lb. bags, 85c; 5 bags, \$3.50.....		
Loma Special Fertilizer, 10 lbs, 85c; 25 lbs., \$1.75; 50 lbs., \$3.25.....		
Vigoro, 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.00.....		
Granulated Peat Moss, bale, \$3.75; 5 bales, \$18.00.....		

## DOG FEED, DOG CAKES and BISCUITS

Catalogue Pages 65-66

	25 lbs.	50 lbs.	100 lbs.
Champion Dog Biscuit.....	\$2.50	\$4.85	\$9.50
Champion Kibbled Biscuit.....	2.75	5.10	10.00
Champion Puppy Biscuit.....	2.75	5.10	10.00
Champion Puppy Meal.....	2.75	5.10	10.00
Miller's A-1 Dog Ration.....	1.50	3.00	5.50
Miller's A-1 Dog Biscuit.....	2.50	4.85	9.50
Miller's A-1 Kibbled Dog Biscuit.....	2.50	4.85	9.50
Miller's A-1 Puppy Meal.....	2.50	4.85	9.50
K.F.S. Kibbled Biscuit with Cod Liver Oil.....	2.75	5.25	10.00
Happy Dog & Puppy Food.....	1.35	2.50	4.90

## CANNED MEAT—For Dogs and Puppies

Catalogue Page 66

Ken-L-Ration, case 48, 1 lb. cans.....	\$6.00
Hemo-Ration, case 48, 1 lb. cans.....	6.00
Maro-Meat, case 18, 2½ lb. cans.....	5.75
Miller's Canned Meat, case 18, 2½ lb. cans.....	5.50
Miller's A-1 Quick Lunch, case 48, 1 lb. cans.....	5.50
Pup-E-Ration, case 48, 1 lb. cans.....	6.50
Kit-E-Ration, case 48, 1 lb. cans.....	6.00

## HORSE AND STOCK POWDERS

Catalogue Page 84

Dr. Hess Stock Tonic, 3½ lb. size.....	Each	\$0.40
Dr. Hess Stock Tonic, 10 lb. size.....	Each	.75
Legears Stock Tonic, 1½ lb. size.....	Each	.25
Legears Stock Tonic, 3½ lb. size.....	Each	.50
Legears Stock Tonic, 8 lb. size.....	Each	1.00
Pratt's Animal Regulator, small pkg.....		.25
Pratt's Animal Regulator, medium pkg.....		.40
Pratt's Animal Regulator, large pkg.....		.75
Pratt's Animal Regulator, 25 lb. pails.....		3.00
B. K. Disinfectant, Qt. Bottle.....		1.20
Kow Kare, for cows only, large.....		1.20
Gal-vet, for gall and sores.....		.25

## POULTRY AND PIGEON FEEDS

Catalogue Pages 85-86-87

	25 lbs.	50 lbs.	100 lbs.
Chamberlain's Perfect Chick Feed Grain.....	\$1.20	\$2.35	\$4.50
Conkey's Buttermilk Starter with Y. O.....	1.30	2.50	4.90
Conkey's Buttermilk Growing Mash with Y. O.....	1.05	2.05	4.00
Conkey's Fine Chick Grain.....	.85	1.65	3.15
Conkey's Growing Chick Grain.....	.85	1.65	3.10
Ful-O-Pep Chick Starter with Cod Liver Meal.....	1.00	1.95	3.75
Ful-O-Pep Growing Mash with Cod Liver Meal.....	.90	1.70	3.25
Ful-O-Pep Fine Chick Grain.....	.80	1.45	2.75
Ful-O-Pep Coarse or Growing Chick Grain.....	.75	1.40	2.70
Ful-O-Pep Egg Mash with Cod Liver Meal.....	.85	1.60	3.00
Ful-O-Pep Hen Scratch Grain.....	.70	1.25	2.40
Ful-O-Pep Fattening Mash.....	.80	1.45	2.70
Happy No. 2 Pigeon Feed.....	1.15	2.20	4.20
Happy Am. Beauty Pigeon Feed.....	1.15	2.20	4.20

## OYSTER SHELLS, GRIT, Etc.

Catalogue Page 85

	10 lbs.	25 lbs.	100 lbs.
Bone Meal, Chick or Hen size.....	\$0.60	\$1.10	\$4.00
Charcoal, Chick or Hen size.....	.50	.80	2.75
Grit, Chick or Hen size.....	.25	.50	1.00
Oyster Shells, Chick or Hen size.....	.25	.50	1.00
Red Cross Pigeon Grit, XX grade.....	.40	.80	2.85

## MISCELLANEOUS FEED

Catalogue Pages 85-86

	10 lbs.	25 lbs.	100 lbs.
Alfalfa Meal.....	\$0.50	\$0.75	\$1.90
Beef or Meat Scraps.....	.50	1.15	4.25
Canada Peas.....	.75	1.75	6.00
Digester Tankage.....	.50	1.10	4.00
Dried Buttermilk.....	1.00	2.25	8.50
Dry Skim Milk.....	1.10	2.60	9.50
Linseed Meal.....	.50	1.00	3.75
Pinhead Oat Meal.....	.50	1.00	3.75
Rolled Oat Meal.....	.50	1.00	3.75
Schumaker Calf Meal.....	.....	1.25	4.50
Smoked Salt.....	.50	.....	.....
Sunflower Seed.....	1.00	2.00	7.50
Sunset Rabbit Mash.....	.50	1.00	3.50
Diapho, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.80; 25 lbs., \$4.00.....			
Semi-Solid Buttermilk, 5 gal. drums, \$3.75.....			
¼ barrel, about 140 lbs., \$7.75.....			
With Cod Liver Oil, 5 gallon drum, \$4.50.....			
Poultry Litter, bale, \$3.75; 5 bales, \$18.00.....			
Conkey's Y. O., 25 lbs., \$7.50; 50 lbs., \$14.00; 100 lbs., \$22.50.....			

## FLY AND ROACH KILLERS

Catalogue Page 84

Conkey's Fly Knocker, 5 gals.....	\$5.00
Fly Tox, qt., 90c; 1 gallon.....	3.00
Germo Fly Shoo, 1 gallon.....	1.00

## SPRAY MATERIAL and INSECTICIDES

Catalogue Pages 56-57-58

Arsenate of Lead, case 12 4-lb. pkgs., 48 lbs.....	\$7.75
Arsenate of Lead, 100 lb. drum.....	15.50
Bordeaux Dry Powder, case 12 4-lb. pkgs., 48 lbs.....	6.75
Bordeaux Dry Powder, 100 lb. drums.....	13.50
Bug Death, 12½ lbs., \$1.50; 100 lbs.....	9.75
Blue Stone, 10 lbs., \$1.20; 100 lbs.....	8.75
Calcium Arsenate, 100 lb. drums.....	8.50
Champion Tree Killer, 5 gallon drums.....	6.00
Copper Sulphate Solution, 1 gallon can.....	2.75
Crowood Oil, 5 gals., \$2.50; 10 gals.....	4.50
Dritomic Sulphur, case 12 4-lb. pkgs.....	5.75
Kayso Spreader, 10 lbs., \$2.50; 25 lbs.....	5.00
Lime Sulphur Dry, 12½ lb. bag, \$1.75; 100 lbs.....	11.00
Lime Sulphur Solution, 5 gal. cans, \$2.50; 10 gal. cans.....	4.50
Lime Sulphur Solution, 30 gal. drum, \$9.60; 55 gal. drums.....	13.75
Oil Emulsion, 5 gal. cans, \$2.50; 10 gal. cans.....	4.50
Oil Emulsion, 30 gal. drums, \$10.00; 53 gal. drum.....	13.75
Paradichlorobenzene, 25 lbs., \$6.25; 100 lbs.....	24.00
Peach Mix for Brown Rot on Peaches, 50 lbs.....	4.50
Pyrox, 25 lbs., \$5.75; 100 lbs.....	14.50
Scalecide, 5 gals., \$5.75; 10 gals., \$9.50; 50 gals.....	32.50
Slug Shot, 25 lbs., \$2.50; 100 lbs.....	9.50
Sulphur Fine Powdered, 100 lbs.....	4.25
Sulfocide, gallon cans, \$2.50; 5 gal. cans.....	8.25
Sunoco Self-Emulsifying Oil, 5 gals., \$5.00; 50 gallon drum.....	32.50
Tree Tanglefoot, 5 lbs., \$2.25; 10 lbs.....	3.50
Tobacco Dust, 100 lbs.....	6.00

## SMOKED SALT

For curing meat. Catalogue Page 84.

This salt and cures all at the same time. Does away with first salting and later drying and smoking.  
Figaro Smoked Salt applied twice to fresh meat salts and smoke flavors it to perfection. Smoked Salt combines the sugar, salt and smoke.  
10 lb. box, 50c. By Parcel Post, 75c.

All prices on this Green Ink List are subject to market changes and are F. O. B. Memphis, Tenn., buyer paying express or freight charges. If wanted by parcel post, be sure to send extra funds for postage. Customers wanting larger quantities than priced here, write to us for special quotations.

NON WARRANTY. Russell-Heckle Seed Co. gives no warranty express or implied as to description, quality, productiveness of any seeds or plants they send out, and they will not be in any way responsible for the crop.

# RUSSELL-HECKLE SEED CO.

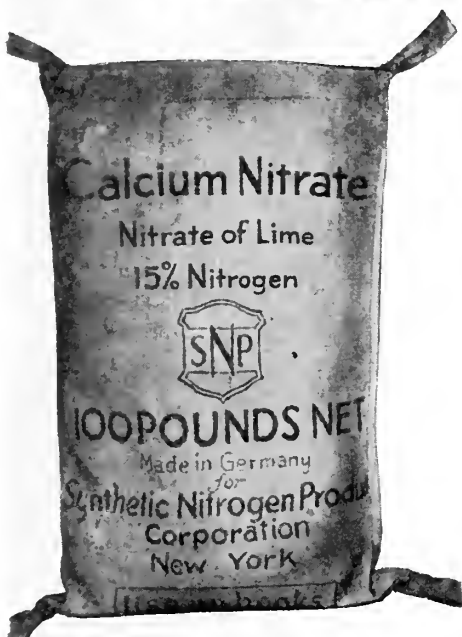
Sales Dept. and Store  
26 South Front St.

MEMPHIS, TENN.

Wholesale Warehouse  
Linden Station

# Calcium Nitrate

## NITRATE of LIME



### Guaranteed Analysis:

15% Nitrogen (18.2% Ammonia).

Calcium Nitrate also contains as much calcium (lime) as half its weight of limestone. It leaves a beneficial lime residue in the soil. Both nitrogen and lime are in immediately available form.

Calcium Nitrate is the most soluble of all nitrogen fertilizers. Even in a dry season, it absorbs sufficient moisture from the soil to dissolve and begin feeding the crop at once.

Calcium Nitrate is a white, dustless granular material—not a powder. It is easy to apply.

MCKENZIE & WILSFORD  
PLANTERS

LULA, MISS.

November 7, 1930.

Russell-Heckle Seed Co.,  
Memphis, Tennessee.

Dear Sirs:

Your Mr. Young and Mr. R. C. Bryan have made some inquiries as to the results we obtained from the use of the fifty-two cars of Calcium Nitrate purchased from you for our farms for the 1930 crop.

It gives me a great deal of pleasure in being able to recommend Calcium Nitrate as a commercial fertilizer. On our lands that received any moisture at all we have been well paid for its application, having been able to pick upwards of a bale of cotton per acre in these places.

We have cultivated around eleven thousand acres in cotton this year, the yield of which is over one-half bale per acre. Of course of this eleven thousand acres, four thousand were in the drought area on which there was no rain fall at all, which naturally lowered the average yield.

Yours very truly,

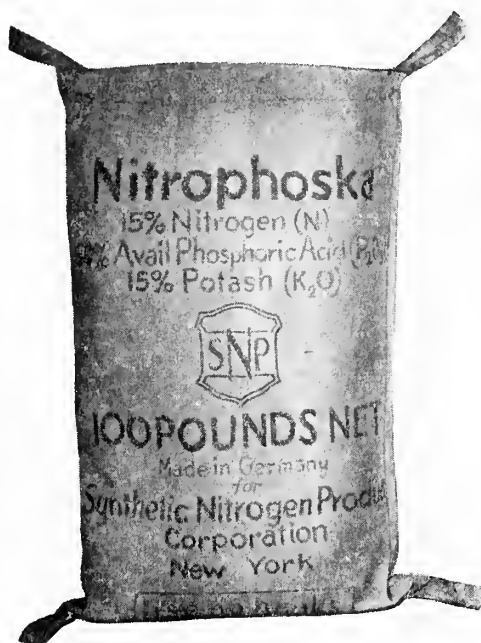
*Thos. E. Gies*

Sold in Carlots and Less Carlots—Write for Prices

Thousands of tons of Calcium Nitrate have been used with satisfaction and profit during the past four years. Calcium Nitrate has been tested by all Southern experiment stations.



# The Highest Analysis Complete Fertilizer



Nitrophoska is the most economical fertilizer ever known. One bag supplies as much plant-food as four bags of ordinary low-analysis fertilizer.

When you buy Nitrophoska, you buy your plant-food at the lowest cost. You reduce your fertilizer cost per acre. And you also save three-fourths of the labor of hauling and handling.

Why handle useless weight? Why pay more per acre for low-analysis fertilizer?

Thousands of farmers have proved for themselves the economy and the superior crop producing qualities of Nitrophoska. Don't miss this opportunity to produce better crops at lower cost.

Nitrophoska is granular and easy to apply.

- ☛ **Guaranteed Analysis:**  
15% Nitrogen (18.2% Ammonia).  
30% Available Phosphoric Acid.  
15% Potash.
- ☛ One ton of Nitrophoska contains as much plant-food as three to five tons of ordinary low-analysis fertilizer.
- ☛ There is only one-fourth as much weight to haul, handle and apply.

Sold in Carlots and Less Carlots—Write for Prices

# NITROPHOSKA

# 15-30-15

NITROGEN . . . PHOSPHORIC ACID . . . POTASH



John Robert King, Shannon, Miss., who produced 2,930 pounds of seed cotton per acre with 200 pounds of Nitrophoska, 15-30-15

# Big Yields-at Lower Cost

In Lee County, Mississippi, over 175 4-H Cotton Club boys fertilized their acres with 200 pounds of Nitrophoska in 1929. About 75 of these boys also side-dressed their cotton with 100 pounds of Cal-Nitro per acre. The average yield for all was 1,381 pounds of seed cotton per acre. The 12 highest yields were:

Seed Cotton Per Acre		Seed Cotton Per Acre	
John O. Monaghan*	3,070 lbs.	Everett Hodges.....	2,400 lbs.
John Robert King.....	2,930 lbs.	Bert Birmingham*.....	2,225 lbs.
James H. Monaghan*.....	2,843 lbs.	Irving Parks.....	2,216 lbs.
Jas. Hulon Monaghan.....	2,800 lbs.	Joe Lester Agnew*.....	2,200 lbs.
Morgan Estes*.....	2,640 lbs.	Marlin Morgan.....	2,086 lbs.
Vardaman King.....	2,438 lbs.	William D. Thompson*.....	2,000 lbs.

\*Side dressed with Cal-Nitro.

Because of their high yields per acre and the low cost of plant-food in Nitrophoska and Cal-Nitro, these boys realized exceptionally large profits per acre.

Sold in Carlots and Less Carlots—Write for Prices

# NITROPHOSKA-15-30-15

# CAL-NITRO

## *A Quick-acting and Long-lasting* **NITROGEN FERTILIZER**



*Guaranteed Analysis:*

16% Nitrogen (19.4% Ammonia).

Cal-Nitro also supplies as much calcium carbonate as half its weight of limestone.

Cal-Nitro contains two forms of nitrogen—the quick-acting nitrate form and the non-leaching ammonia form.

Cal-Nitro is an ideal nitrogen fertilizer for side-dressing cotton, corn and other crops. It may be mixed with other fertilizer materials if desired.

Cal-Nitro possesses distinct advantages as a nitrogen side-dresser for all crops. It supplies a part of its nitrogen in the quick-acting nitrate form which is immediately available to give the crop a quick start and a vigorous early growth. The remainder of its nitrogen is a more slowly available form which keeps feeding the crop right up to maturity.

Cal-Nitro also contains lime in a form which helps to check soil acidity and also supplies lime as a plant-food. Many soils are deficient in lime and too acid to produce maximum yields.

Cal-Nitro has given outstanding results on cotton, corn, vegetables, fruits, tobacco and many other crops.

Cal-Nitro does not puddle heavy soils and cause them to bake and crust. On the contrary, it helps to keep the soil loose and easy to work.

**Sold in Carlots and Less Carlots—Write for Prices**



# RUSSELL-HECKLE'S FARM SEEDS

## TOP NOTCH QUALITY SEEDS MEAN BETTER CROPS

The most vital need of those who depend for their living on the products of the soil is pure seed, not mixed with noxious weed seed, and of high germinating quality. Our Top Notch brand was originated to designate seed stocks filling just that need, and their dependability is responsible for their popularity.

Top Notch brand on the seed you plant means bigger crops and more profit to you. To use it means satisfied customers who tell their friends about us, which in turn means more friends for us. It's an endless chain, and Top Notch Seeds form the links.



A Field of R.-H. Co.'s Top Notch Hardy Northwestern Alfalfa

**Alfalfa** The crop that pays constant dividends, and at the same time builds soils.

Alfalfa is one of the few crops that cannot be overproduced. It stands for years, yields several cuttings a season and makes a hay about as high in protein as wheat bran; it more nearly approaches perfection as a forage crop than any one other crop. When fed with a grain ration, it supplies the protein necessary for a balanced food. For dairy, breeding and fattening cattle, hogs and sheep, it is the ideal hay. As a soil builder, it is claimed that it adds more than twice as much ammonia or nitrogen to the soil as red clover. Alfalfa does not ask the farmer to buy expensive nitrogen, but gets all it needs from the air and stores it in the land to make bigger the crops that follow it.



**CULTURE**—The seed may be sown broadcast or in drills and covered one inch. If sown broadcast, use 20 to 25 pounds of seed per acre. Sowings made in the Spring, March and April, or in the Fall, September and October, are successful.

**PREPARATION OF SOIL**—Good loam or clay soil with natural or artificial drainage, with no hardpan underneath, will grow Alfalfa when properly prepared, and proper and thorough preparation is a prime necessity for a uniform heavy stand. Where the soil is acid, and that is the case in most instances, liming is necessary.

**INOCULATION**—Be sure to inoculate the seed with Russell-Heckle's Top Notch Culture or Nitragin; complete directions sent with these cultures.

**FERTILIZING**—Use 2,000 pounds of ground limestone, 200 pounds of Bone Meal and 200 pounds of pulverized Sheep Manure, broadcast, to each acre. Applying a coat of well-rotted stable manure will be beneficial. If you have tried Alfalfa, and it died out, it was on account of need of these fertilizers. On old Alfalfa meadows use 200 pounds of Agricultural Gypsum Land Plaster to the acre, broadcast. It stimulates it wonderfully.

**Certified Delta 18 Alfalfa** This variety of Alfalfa is produced in a section of the Rocky Mountains where the temperature gets down to 18 degrees below zero, withstanding this terrific cold each winter during the 75 years since Alfalfa was introduced there. A most vigorous hardy type Alfalfa was inevitable, resulting in the strain Delta 18—a very heavy hay yielding of high protein content. Delta 18 Alfalfa seed are field-inspected and laboratory inspected. Delta 18 Alfalfa represents the fancy selection of the season's crop of the Delta 18 Alfalfa Growers from the same section year after year, in sealed bags of 1 bushel 60 lbs. each (U. S. verified origin). Sold only in sealed 1 bushel bags. Prices on Green Ink List enclosed.

**R.-H. Co.'s Top Notch Hardy Northwestern Alfalfa** The northwestern states, like Idaho and Utah, produce a very hardy type of Alfalfa, due naturally, to the severely cold winters that Alfalfa must weather there each year. Our Top Notch Northwestern Seed represents our choice of the stocks produced there, based on purity and growth. Such seed costs more than seed produced farther south, but the man who buys our Top Notch Northwestern Alfalfa will get full value for every dollar spent. 1 lb. 45c, postpaid.

**Disco No. 28 Alfalfa** Another very hardy and productive Dakota Alfalfa; very similar in every way to our Dakota No. 12 described on this page. 1 lb. 50c, postpaid.

**R.-H. Co.'s Top Notch Dakota No. 12 Alfalfa** Practically every pound of this strain of Alfalfa was exhausted last year because of the enormous demand for the seed. This is the best evidence we can offer of its true value. South Dakota is the home of this Alfalfa, where the temperature drops way down below zero every winter. Seed that withstands such a severe test as that can readily be seen to have outstanding advantages. We have never sold Dakota No. 12 Alfalfa to any man who expressed other than extreme pleasure over results. An exceptionally productive Alfalfa. 1 lb. 45c, postpaid.

**R.-H. Co.'s Top Notch Western Alfalfa** This seed is produced in the West farther south than Idaho and Utah, and our stock this spring is the latest crop of highest germinating strength and tested 99.60 per cent pure, which is very, very fine. We have sold thousands of pounds of this seed throughout the South where it has given splendid results. It costs less because it is not so difficult to produce as seed in the more northern states. 1 lb. 40c, postpaid.

**Grimm Alfalfa** This is a different type, having the lateral or branching root system instead of the usual main tap root of most Alfalfas; very popular in Canada and extreme Northwest, but less often grown in the South. 1 lb. 60c; postpaid.

**Hairy Peruvian Alfalfa** This is an Arizona variety that is very popular there and in the lower half of our own southern states. It is not as hardy as Northwestern seed but makes a splendid growth of hairy and leafy vine. 1 lb. 50c, postpaid.

**Inoculate Alfalfa** Inoculation of your seed before planting will give you a much stronger and quicker growth, producing a greater tonnage of hay. The cost of inoculation per acre is so small that the increased yield will repay it many times.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

# CERTIFIED DELTA PEDIGREED COTTON SEED

The Southern farmer must improve the quality of his cotton. These selected strains offer you a greater margin of safety in production than you have ever had before.

This is the year you want to watch the cotton you plant. Don't think these varieties are for Delta or bottom land only. Some of the best showings are being made on upland sections where only the short cottons have been raised before. You cannot afford to risk raising poor varieties this season.

**Delfos 911** (Delfos 6102 Selection)—This is the cotton that set a mark for all breeders to try to beat as a money maker. It is extra early, has medium-sized bolls, 75 to 80 per pound, 32 to 33 per cent lint, one and three-sixteenths inches staple, is highly storm-resistant and most prolific.

Over a long period of years it has led all varieties of cotton in money value in the State of Mississippi and at many other experiment stations. It has shown up outstandingly well in the uplands and will mature earlier than any other cotton we know of except Missdel No. 2.

For the upland cotton sections this is certainly a proven cotton, and we are daily receiving letters of commendation from the whole cotton belt as to the splendid results secured. If you have Delfos 911 and the seed have deteriorated, we can supply you with seed identical in quality with your original seed.

## Calcium Nitrate (For Cotton)

Cotton needs more nitrogen than is ordinarily supplied in the commercial fertilizers applied at planting time. Side dressing cotton with Calcium Nitrate supplies the necessary nitrogen, greatly increases the yield and adds substantially to the profit from the crop.



**Delfos 1374** (Delfos 631 Selection)—A peerless cotton, has large bolls, 58 to 63 per pound, is highly storm-resistant, vigorous but small leaves, good lint percentage, 32 to 33½, and one and three-sixteenths inches full staple. It is extra early and very prolific. In fact, except for lint percentage this cotton will compare favorably with Missdel No. 1. It is one of the best picking cottons yet developed.

The Delfos 1374 seed we offer are selected by Mr. York of the Delta Branch Experimental Station, from the original Delfos 1374, and are an outstanding improvement as to boll size, type and lint percentage.

The Association has only one grower increasing this cotton and will offer only a limited supply.

## Read What 52 Carloads of Calcium Nitrate did in 1930 for one cotton planter

"It gives me great pleasure in being able to recommend Calcium Nitrate as a commercial fertilizer. We purchased from your firm fifty-two carloads of Calcium Nitrate. On our land that received any moisture at all we have been well paid for its application, having been able to pick upwards of a bale of cotton per acre in these places."

Yours very truly, McKenzie & Wilsford,  
By T. G. Wilsford, Lula, Miss."



A Field of D. & P. L. No. 4 Cotton

**D. & P. L. No. 4** The most popular upland cotton of quality yet developed. It will give you a good inch staple, and 1,250 to 1,300 pounds will give you a bale. This cotton is early enough to beat the boll weevil, and the large bolls make it an excellent picker. It has enough vigor to be used in wilt-infested lands with very satisfactory results. Number 4 has a larger boll than some of its later selections. We especially recommend D. & P. L. No. 4 for the grower who wants a full inch staple. This seed is re-cleaned, graded and culled.

**Express No. 121** A Delta Experiment Station development that was overlooked in the scramble to go to Delfos cottons. It is a very vigorous wilt resistant cotton, dwarf in stalk and medium to light in foliage. A large boll, excellent picking cotton that will more than third itself. For thin, sandy soils in the Mississippi Delta, we recommend this above all cottons we know of. Staple an inch and an eighth to an inch and three-sixteenths. Very storm resistant and an excellent picker.

**Stoneville No. 1** (A Lone Star No. 370 Selection)—An excellent early, dwarf and stocky cotton, large, open bolls, 60 to 70 to pound; storm resistant; and 33 to 36 per cent lint. An inch and a sixteenth staple. This is really an outstanding cotton, due to prolificness, earliness, boll size, and the popular staple length.

**Stoneville No. 2** (A Lone Star No. 389 Selection)—A vigorous and spreading plant, early in maturity, medium large bolls, 65 to 75 to the pound, 33 to 35 per cent lint, and an inch and a sixteenth to an inch and an eighth staple. In the uplands this has proven an outstanding cotton, and we unquestionably recommend it for upland sections. Selected for a five-lock boll and pedigree seed.

**Wilds No. 1** In order to meet the demand, the Association has increased a limited quantity of Wilds cotton. If you are going to raise this strain, we can save you money on quality seed. Our Wilds No. 1 is all grown by one grower who has had splendid success with same. An extra staple cotton like this is ruined with a little gin adulteration, so buy seed that are field-inspected, certified, pedigree seed.

**Nitrophoska** 15-30-15—A valuable fertilizer for cotton, containing 3 times as much plant food as the ordinary fertilizers. You are required to put down only 1/3 as much, thus saving labor, freight, time and money.

Nitrophoska is quickly effective, contains 15% Nitrogen, 30% Phosphate and 15% Potash. Used at the rate of 400 lbs. to the acre in the row before planting you will increase the crop nearly 50 per cent.

Try Nitrophoska this year on just a few acres of cotton and you will be agreeably surprised at the results. Let us quote you prices.

# RUSSELL-HECKLE'S COTTON SEED

## A Variety of Cotton For Every Need

Our customers require and demand more than one variety; in fact, since we sell planting seed all over the entire cotton belt and export many thousand bushels to foreign countries, we must have different varieties for different soils, different climatic conditions, different marketing conditions. There is a variety suited to each particular condition—handling all of them for years, we can recommend to you the variety our experience tells us is best for you.

## The Best of Each Variety

We keep constantly in touch with plant breeding work all over the South. As soon as a new variety has proven its worth and is available in commercial quantities, we have the seed to offer to our customers. We buy from breeders where their production is large enough for the needed requirements.

## Tested For Germination

Germination tests are made on all our seed, and a careful record kept. We offer no seed to anyone that we haven't every reason to believe is right. We do not leave such matters to chance.

## Machine Culled and Graded

We have the latest improved machinery installed in our own warehouses for culling out hulls, loose cotton, trash, for removing the light weight immature seed, and blowing out all dirt. Therefore the seed we ship are plump, full weight, uniform seed; clean of all trash; easy to plant, come up to a uniform stand of strong, vigorous plants (plump heavy seed produce strong plants—light weight seed produce weak, sickly plants, and we remove these). Our culled and graded seed require less seed per acre to obtain a stand, which is a saving, and they produce more cotton per acre, which means more profit to you.

### Wannamaker Cleveland

Wannamaker Cleveland is a short cotton, say  $7/8$  to one inch in length, and for about fifteen years this variety has stood the test of time, maintaining its popularity against all comers. In our opinion it is by far the best of the cottons of its length on the market today.

Wannamaker Cleveland has a medium sized boll that is easy to pick and an unusually large turn-out at the gin, about 37 or 38 per cent usually—only 1,350 pounds being required to make a 500-pound bale.

Wannamaker Cleveland can be planted on any soil and will come nearer thriving under any and all conditions than any cotton we know of.



Acala No. 5

**Acala No. 5** The best cotton we know of among the  $1\frac{1}{16}$  to  $1\frac{1}{8}$  inch cottons. Cotton buyers everywhere are partial to Acala and it usually brings a premium over other cottons of same type. It has an extra strong, tough, and silky fibre, which explains the premium in price.

We have seen Acala lint in constant demand among cotton buyers when longer and shorter staples were left on the tables.

Acala has quite a large boll, yet it is an early maturing cotton; it is easy to pick, yet storm resistant, and one of the best drouth-resistant varieties we know of. Lint percentage runs usually 35 to 37 per cent, another advantage over staple cottons.

**Wilson Type Big Boll** This variety is an Arkansas product—extra big bolls, staple an inch to  $1\frac{1}{16}$  inches, lint percentage about 37 per cent, a cluster type where bolls are bunched together, making it easy to pick, early in maturity and a good yielder in the field.

**Mississippi Station Trice** This is the strain of Trice that has given far superior results to any other strain that has come under our observation.

It is just about the earliest cotton grown which is about the best thing you can say for any cotton. One of our larger cotton planter customers has found Mississippi Station Trice paid him more money than any other cotton he has planted. He is in Tennessee along the Mississippi River, about 50 miles north of Memphis where earliness counts.

Length of staple is usually  $1\frac{1}{16}$  inches, medium size boll. The plant is not large and the foliage is light; about 1,500 pounds of seed cotton makes a 500-pound bale. Only a small amount of Mississippi Station Trice seed is available this spring, so if interested, place your order early.

### Half and Half

Most cotton buyers will tell you not to plant Half and Half because it is very short in staple, and rather brittle. That's why we have preferred other varieties; however, year after year, some farmers plant nothing else, and get almost as much per pound for their cotton as any short cotton brings. They claim what they lose in price they make in yield, so there you are. As long as a man makes money he doesn't care what name his cotton is called.

Half and Half has the best turn-out at the gin of any cotton—1,200 pounds, making a bale of 480 to 550 pounds. It is also an early cotton and a heavy producer.

**Humco Cleveland 20** Originated by the Humphreys Coker Co., Cotton Breeders in South Carolina. A decidedly fine cotton, somewhat longer than Wannamaker, about  $1\frac{1}{16}$  to a flat  $1\frac{1}{8}$ . This cotton has about superseded the old popular King's Early cotton in northern North Carolina, which is a tribute to its earliness, for quick maturity is a necessity up there.

Humco Cleveland 20 is a very uniform cotton in growth, medium foliage, medium stalk, large boll, easy to pick; easy picking cotton with lint percentage 37 to 39%. A very prolific producer.

**Coker's Cleveland No. 5** Originated by the Coker's Pedigreed Seed Co. in South Carolina, and one of the two highly-bred strains of Cleveland cottons. Pulls about  $1\frac{1}{16}$  inches, very uniform staple, and uniform in plant size and size of bolls. Bolls are large, easy to pick; lint percentage 37 to 38 per cent; medium foliage, a very prolific cotton of early maturity.

**Rowden 40** A highly bred and very superior strain of Rowden Big Boll, developed at the Cotton Experiment Station in Arkansas. Some remarkable crops of Rowden 40 have been reported and it is a general favorite in Arkansas. Has an extra large boll, easy to pick, yet storm resistant; early maturity, lint percentage averages 35%, length  $1\frac{1}{16}$  inches and very prolific. Highly wilt resistant.

**Delta Pine Land No. 4** This is one of the most popular cottons yet developed, finding instant favor everywhere grown. Its early maturity makes it ideal when boll weevils are bothering later cottons. D. P. L. No. 4 is a good inch staple, big bolls, and 1,250 to 1,300 pounds seed cotton will give you a bale. Splendid reports have been made of its ability as a wilt resistant cotton.

## Dusting and Spray Materials

We are headquarters for Boll Weevil Poison, Spray Materials for the Red Spider, Army Worm, etc. Can supply Calcium Arsenate in drum or carload lots. We also carry in stock Dusting Machinery, such as Root Hand Guns, Root Saddle Guns, Root Traction Dusters, Sprayers of all kinds, etc. Always glad to quote for prompt shipment.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

# RUSSELL-HECKLE'S FIELD SEED CORN

Our Top Notch Grade of Seed Corn is grown by men informed on the newest and most successful methods of breeding. With corn, as with other crops, no one variety has all the good qualities. No one variety is best for all soils and conditions. It is necessary, therefore, that we endeavor to supply each of our customers with the very best seed of the variety which is best adapted to his requirements. We have found that, as a rule, the Southern varieties give the best yields in our territory, but for those who want quicker action we are prepared to supply the best Northern and Western varieties.

## WHICH GRADE OF CORN DO YOU WANT?

### R.-H. Co.'s Top Notch Corns

are selected by experienced people with the utmost care from high-yielding fields, are nubbed, tipped, graded and cleaned. Our sole purpose in spending so much time and labor on the selection of these seeds is to make them a superior seed stock. If you are seeking the best in seeds, order our Top Notch grade—you will be rewarded when you gather your crop.

### Commercial Grade Corns

Are cheaper in price—they are worth the price asked, but are not as carefully selected, not nubbed and tipped like our Top Notch Corns. Our Commercial Grade Corns are carried to meet low-price competition, for price is first consideration with some buyers. They are the equal of any corns selling at same price, and better than most.

See Green Ink List enclosed for prices on Commercial Grade Corns.

### R.-H. Co.'s Top Notch Paymaster

We indorse this corn as one of the most satisfactory and heavy yielding varieties for the southern farm. Its origin is southern, its reputation is southern and its nature is southern. It is similar in type to the well-known Tennessee White, Red Cob, but the ears are not as large and it produces two to the stalk. Matures in about 110 days. The cob is smaller, has well-filled butts and tips and will shell more corn than the Tennessee. The grain is deep white, the cob is bright red, the type is standard and popular. Postpaid, 1 gallon 95c; not prepaid, 1 gallon 76c.

### R.-H. Co.'s Top Notch Tennessee White Red Cob

An extra large field corn; grains long, broad and evenly lined on large red cob. The ears of this sort will run from 9 to 12 inches long and have from 18 to 20 rows. This is not only one of the largest grain, greatest yielding and one of the highest feeding and best milling corns grown in the South, but owing to the fact that the stalks grow from 8 to 12 feet high, are broad, strong and short-jointed it makes one of our best ensilage corns. Matures in 120 days. Postpaid, 1 gallon 95c; not prepaid, 1 gallon 70c.

### R.-H. Co.'s Top Notch Hickory King

The grain is so wide and deep and the cob so small that often a single grain will cover the end of a broken cob. It has been called the Poor Man's Corn because it can be depended upon to produce a crop on poor, thin land. On good land it bears two ears to the stalk. Postpaid, 1 gallon \$1.00; not prepaid, 1 gallon 75c.

### R.-H. Co.'s Top Notch Silver Mine

Ears measure from 10 to 12 inches in length. They are very uniform in size and shape, 16 to 20 straight rows of deep, pure white kernels on a small white cob. Matures in 100 days. Postpaid, 1 gallon 90c; not prepaid, 1 gallon 65c.

### R.-H. Co.'s Top Notch St. Charles White Red Cob

The ears are large, both in length and circumference. The grains are deep and firmly set in a medium large red cob. Matures in about 100 days. Postpaid, 1 gallon 90c; not prepaid, 1 gallon 65c.

## Increase Corn Yields with Calcium Nitrate

Being high in available Nitrogen it prevents to a large degree the firing of corn in dry weather.

Apply 100 to 200 lbs. of Calcium Nitrate per acre when the corn is knee high. It means crop insurance.

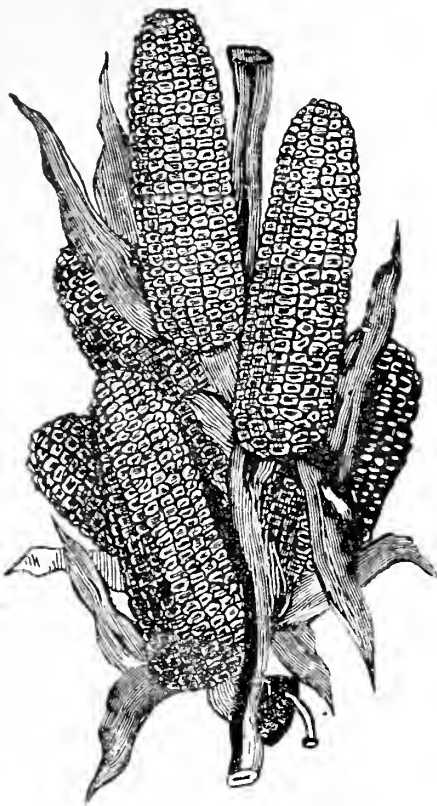


It Pays To Grow Corn Like This

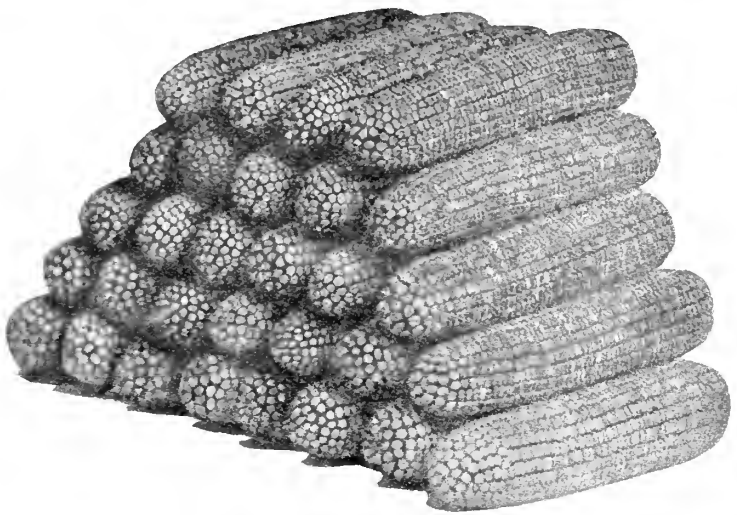
R.-H. Co.'s Top Notch Paymaster

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED





R.H. Co.'s Top Notch Early White Dent



R.H. Co.'s Top Notch Mosby's Prolific

**R.H. Co.'s Top Notch Mosby's Prolific** One of the most prolific corns in existence; the stalks are tall, bearing 2 to 5 fine ears. The grains are long, set close to a small white cob, very uniform in shape, well filled. It has good roots and will withstand storms better than any other prolific sort. Another important feature of this fine corn is its abundant foliage, which renders it superior to most sorts for ensilage purposes. This is a southern corn, and is recommended for general crop. It is pearly-white, small cob, deep full grain, neither too hard nor too soft, and stands crowding in the drill as close again as any other kind. Ears slightly under medium size. Matures in 110 to 120 days. Postpaid, 1 gallon \$1.00; not prepaid, 1 gallon 75c.

**R.H. Co.'s Top Notch Early White Dent**

Selected with the idea of furnishing our customers a dependable and extra productive, early-maturing variety. Grains white, of medium size, cob white, ear 10 to 12 inches long, stalk of medium height. A fine White Corn for general crop, earlier than most standard varieties. Postpaid, 1 gallon 95c; not prepaid, 1 gallon 70c.

**R.H. Co.'s Top Notch Little Willis Prolific White Corn**

An exceptionally well-bred corn. One that we believe will give anyone who plants it materially increased corn yield. The ears run 7 inches and over in length, 6 inches in circumference, carry 16 rows of corn three-eighths inch deep on a white cob not over 1 1/4 inches in diameter. It has consistently yielded three to five ears to the stalk. It is pure white; a prolific corn. Postpaid, 1 gallon \$1.00; not prepaid, 1 gallon 75c.

**R.H. Co.'s Top Notch Hasting's Prolific**

The introducer claims that it will make two ears to the stalk on average land, and if planted 24 to 30 inches apart in the row on good strong land, four to six ears to the stalk can be had. The ears are well filled at both ends; the cob is small; the shuck is heavy and covers the ear tightly, protecting it from birds and insects, and preventing loss in wet seasons. Matures in 120 to 130 days. Postpaid, 1 gallon \$1.00; not prepaid, 1 gallon 75c.

**R.H. Co.'s Top Notch Surecropper Corn**

A dandy white corn, especially adapted to our Southern climate; stands drought well, just one rain to give a good stand. Surecropper will pull through the season and make a sure crop without another drop of moisture. Surecropper will produce two ears, average 10 inches in length and the ears have 14 rows of good, white, plump grains, which fill out to the end. Surecropper will make good roasting ears in 60 days and will mature in 100 to 110 days. The grains are rather broad, snow-white and will shell out 82-85 per cent grain. It is a drought resister and, therefore, as its name implies, a Sure Cropper. Postpaid, 1 gallon \$1.00; not prepaid, 1 gallon 75c.

**R.H. Co.'s Top Notch Woodruff Mosby**

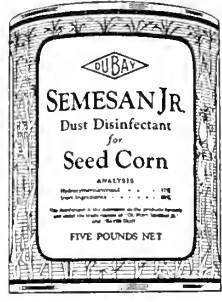
This is a selection from the original Mosby Prolific, and a splendid general purpose corn. Woodruff Mosby has a tiny white cob, about the smallest we ever saw, and an extra long, deep-white grain, which is the ideal type grain. Woodruff Mosby is about 115 days in maturing, makes two to three ears to the stalk, which shell out very heavily, and is a big producer. Postpaid, 1 gallon \$1.10; not prepaid, 1 gallon 85c.

**R.H. Co.'s Top Notch Cocke's Prolific**

Medium early, medium-sized ears, pearl-white grain in straight rows. The weevil bothers this variety very little on account of the hardness of the grain, which is of good size, short, flat and almost round; very flinty. This corn is evenly lined on a white cob of good size, often attaining the length of 10 inches. Matures in 140 days. Unexcelled for meal and hominy. Postpaid, 1 gal. \$1.10; not prepaid, 1 gal. 85c.

**R.H. Co.'s Top Notch North Carolina Prolific**

A beautiful white prolific corn. Matures in about 115 days. Well adapted to both field and table purposes, just flinty enough for milling the most beautiful meal. Some of the largest yields of corn ever made in the South have been made with this prolific corn. Postpaid, 1 gallon \$1.00; not prepaid, 1 gallon 75c;



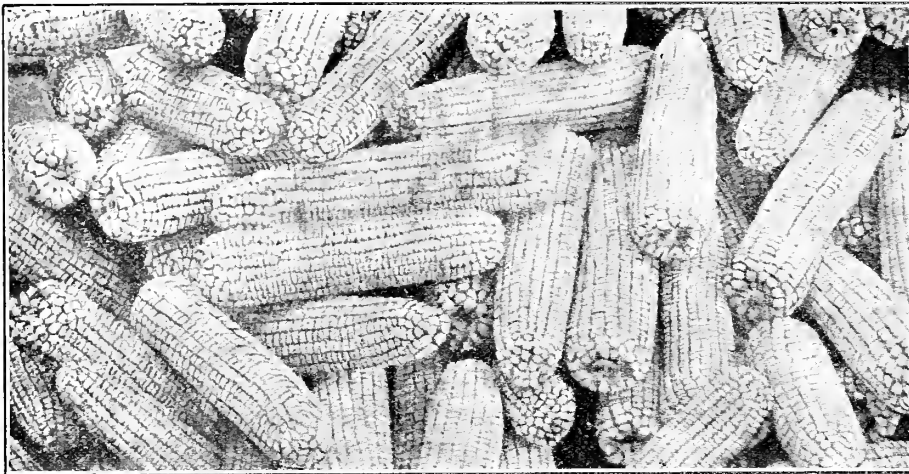
**Semesan Jr.**

is used as a dust disinfectant to control the ear, root and stalk rots of corn. In tests conducted in both Illinois and Iowa by the Federal and State governments, SEMESAN JR. increased yields from diseased seed by varying amounts up to 38%. SEMESAN JR. is applied only as a dust, at the rate of 3 ounces per bushel of seed. The cost therefore is only about 5c an acre of field corn. Send for SEMESAN JR. Corn Pamphlet with full directions. Price, 4-oz. tin 50c; 1 lb. tin \$1.75; 5 lb. tin \$8.00; cannot be mailed.

**Why You Should Use Calcium Nitrate**

It supplies the equivalent of 50% lime stone in water soluble form. It furnishes quick acting, water soluble Nitrate Nitrogen. It checks soil acidity. It produces excellent crop results.

**NAPA-GOAT GLOVES FREE WITH ORDER**  
 With every cash order to the value of \$5.00 or more, we will include free one pair Napa-Goat Gloves. A good, serviceable, tough Goat-skin glove that will give service in any garden or field work.



R.-H. Co.'s Top Notch Jarvis Golden Prolific

## R.-H. Co.'s Top Notch Jarvis Golden Prolific

This is one of the finest corns for this section on our list. A natural drouth resisting variety, one of the few varieties of Yellow Corn that produces more than one ear. It is just hard enough to withstand any kind of weather in the fall. Crops have been left in the field until early spring and then come out good, sound corn.

A native southern yellow corn—carefully bred—and one that bears two good ears to the stalk. The stalk is rather dwarf, 6 to 8 feet high, and does not fall down in stormy weather. Grains are a deep golden-yellow; ears are firm and solid, about 7 to 10 inches long. The grain is medium in size. This is a very productive and desirable variety, and is drought resistant.

Our seed is all carefully selected. It will please you.

Postpaid, 1 gallon \$1.00; not prepaid, 1 gallon 75c.

## R.-H. Co.'s Top Notch Reid's Early Yellow Dent

This is a leading standard yellow variety originated in Illinois many years ago, and is a type that experts have failed to change for the better. In our opinion, this is the most popular variety of yellow corn grown in the United States. Color, deep yellow, with lighter cap. Grain deep, closely packed; butts and tips almost entirely covered over. Matures in 90 days. Postpaid, 1 gallon 95c; not prepaid, 1 gallon 70c.

## R.-H. Co.'s Top Notch Gold Mine

Large ears; grains are a bright golden-yellow; matures in about 100 days. Postpaid, 1 gallon 90c; not prepaid, 1 gallon 65c.

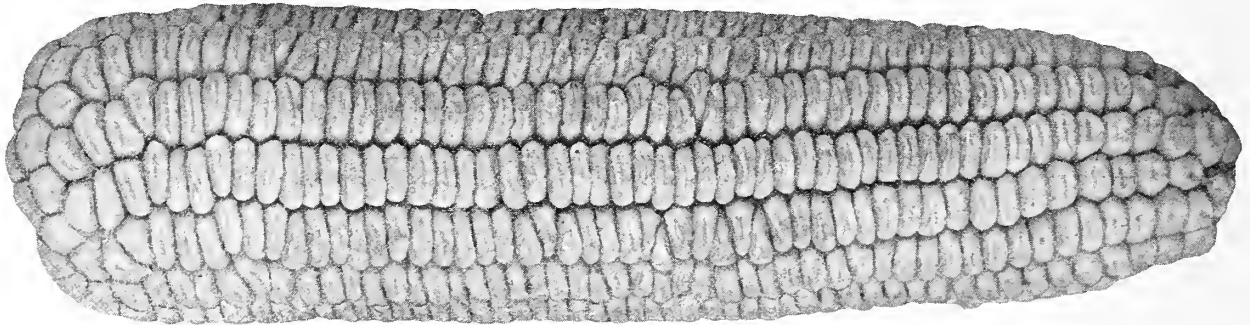
## R.-H. Co.'s Top Notch Tait's Early White Dent

The stalk is short and thick. The ears grow long on the stalk, from 7 to 9 inches in length, almost parallel throughout, of medium size, averaging 14 rows of grains, and will mature in 90 days. The grains are pure white, compact and heavy. The cob small. Postpaid, 1 gallon 95c; not prepaid, 1 gallon 70c.

## R.-H. Co.'s Top Notch Early Yellow Dent

When you desire an early maturing, yellow corn, buy R.-H. Co.'s 90-Day Yellow Dent—a hustler, very productive and desirable all around. Postpaid, 1 gallon 90c; not prepaid, 1 gallon 65c.

Quantity Prices—See Green Ink List enclosed for quantity prices on corn.



R.-H. Co.'s Top Notch Mexican June

## R.-H. Co.'s Top Notch Mexican June Corn

This dependable variety, largely planted late in the spring throughout the entire Cotton Belt, originally came from Mexico. It is largely used for planting after oats and wheat. We do not advise sowing before May 1st if grain is wanted, and can be planted as late as August 15th with good results. The stalks are usually short, although early plantings make stalks 12 to 15 feet high, leaves 4 to 6 feet long. The roots run deep and spread, so that it is splendid drought resister. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, occasionally you'll find a red cob and always considerable blue grains, making a very attractive ear. This apparent mixture of color is peculiar to many varieties of Mexican corn. Mighty fine for "roasting ears" for use right up to frost. Postpaid, 1 gallon \$1.10; not prepaid 1 gallon 85c.

## Eureka White Ensilage

A great fodder and ensilage producer. Surpasses any other fodder corn that we know of in yield and feeding value. Grows rapidly, is early, short jointed, tall, and produces an overwhelming abundance of leaves and rich, juicy, sugary stalks, with a strong tendency to mature several ears. The ears when fully grown are from 10 to 12 inches long and have very deep white grains. Postpaid, 1 gallon \$1.00; not prepaid, 1 gallon 75c.

## HAND CORN PLANTERS

Especially desirable for replanting corn, etc. Both styles, either the one-hand or two-hand planters are accurate, strong, and durable. They can be set to plant two to six grains in a place as required; simple and easy to operate. Price, One-hand Planter \$1.00 each; two-hand planter \$1.25 each, f. o. b. Memphis.

## Russell-Heckle's Gourd Seed Red Cob

A dandy, long deep-white grain set on a medium red cob. Ears good average size, 8 to 9 inches in length. Stalks usually bring two good ears. A southern grown variety that will do well in this section. Postpaid, gallon \$1.10; not prepaid, gallon 85c.

## Russell-Heckle's Yellow Gourd Seed

A very deep, long yellow grain variety. Ears large, heavy and of fine shape. The grain is bright golden yellow. Remarkably long and deep, and is always sound, being just hard enough to withstand a wet season. Supply of this variety is limited, so get your requirements early.

Postpaid, gallon \$1.15; not postpaid, gallon 90c.

## R.-H. Co.'s POPCORN

**BORDEN'S IMPROVED BABY RICE**—A new Dwarf Rice Popcorn of unexcelled quality. Its crowning merit lies in its excellent popping qualities, fine flavor and absence of hull or shell. Pkt. 15c; ½ lb. 25c; 1 lb. 40c; postpaid. Not prepaid, ½ lb. 20c; 1 lb. 30c.

**JAPANESE RICE**—Also called Little Buster. Popping qualities unexcelled; quality corn and tender. Pkt. 10c; ½ lb. 20c; 1 lb. 35c; postpaid. Not prepaid, ½ lb. 15c; 1 lb. 25c.

**WHITE RICE**—Very easily popped, tender and white. Pkt. 10c; ½ lb. 15c; 1 lb. 25c; postpaid. Not prepaid, ½ lb. 10c; 1 lb. 15c.

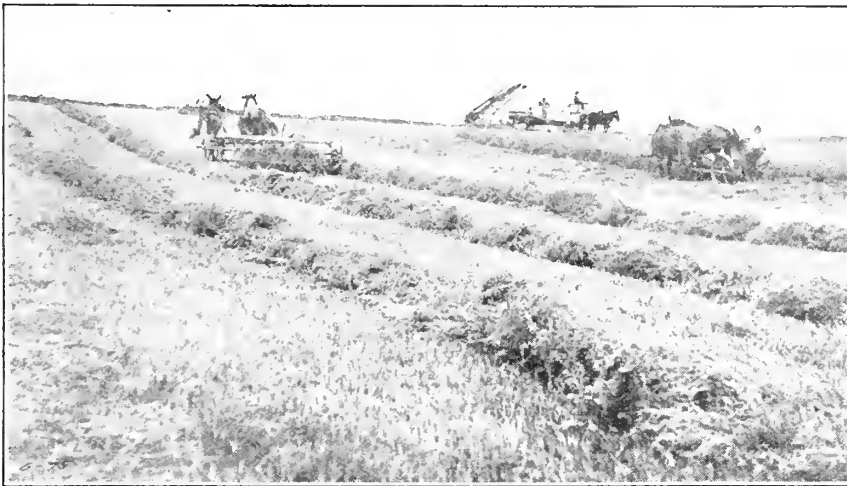
**QUEEN'S GOLDEN**—A beautiful golden color; pops large, very crisp. Pkt. 15c; ½ lb. 20c; 1 lb. 35c; postpaid. Not prepaid, ½ lb. 15c; 1 lb. 25c.

**RED BEAUTY**—Pops snow-white and tender. Pkt. 10c; ½ lb. 20c; 1 lb. 35c; postpaid. Not prepaid, ½ lb. 15c; 1 lb. 25c.

## RUSSELL-HECKLE'S GRASS SEEDS

### How to Plant

In planting grass seeds the land should first be thoroughly cultivated and pulverized. The seed may then be scattered by hand or with a hand-seeder, such as described in this catalogue. A harrow or rake should then be used, which will mix the seed with the soil so they will be covered about one-quarter in. deep. If not convenient to sprinkle, the planting should be done when there is a good season in the ground, and land rolled or dragged after harrowing. This will pack the soil so the moisture will be saved from evaporation and thus cause the seed to germinate, and to nurture the grass until it establishes a good root system.



A Good Hay Crop Ready to Harvest

### Our Permanent Grass Mixtures

are composed principally of grasses which ripen together for cutting; but they also contain other grasses which will also add very much to the pasturage yield, in case it is desired to use the fields for pasturage. These grass mixtures afford splendid crops of hay of the finest quality and highest feeding value, and after being cut will give continuous and abundant pasturage till winter comes. May be used for hay exclusively, or for hay and pasturage as needed.

**Orchard Grass** A most valuable grass for pasture and hay lands and on account of its earliness very valuable for permanent pastures, as it furnishes the first green bite in the spring and the last in the fall; is quick to recover from close cropping and even thrives better the more it is cropped. Gives rich pastures till late in the fall. It will stand the drought. It is well suited for shady places, such as orchards and groves. Richer feed than Timothy and outlives it. Sow 21 pounds per acre. 1 lb. 35c; postpaid.

**Red Top or Herd's Grass** This grass makes excellent pasturage and good crop fine quality hay, and succeeds on a greater variety of soils than any other in general use. The place for Red Top is on rather moist soil, deficient in lime and fertility. It will grow where the soil is too poor for Timothy and Kentucky Blue Grass. It is a good variety to sow with Timothy and Clover for meadow or pasture and is more permanent than either of the other two. On good soil it grows about two feet high; on poor, gravelly land about half that height. It has been grown successfully even on alkali land where other grasses failed. Red Top should be extensively grown, especially with other grasses. It requires about 8 to 10 pounds to seed an acre of the Fancy Clean seed. When sowing with Timothy, sow 6 pounds of the Fancy Cleaned and 8 pounds of Timothy per acre. It can be sown either in the Spring or Fall. 1 lb. 35c; postpaid.

### Carpet Grass (Paspalum Compression)

Is an extensively creeping pale-green grass, rooting at the nodes, every few inches, and sending up numerous succulent tender stems, or branches, 6 to 24 inches high. These continuous new crops of stems, although trampled or eaten down weekly, will continue to shoot out and make a bountiful green carpet lawn, or grazing until the temperature gets down to ZERO. A few bushels sown over a washing hillside in a short time stop washing, leaching and soil erosion—at the same time producing bountiful grazing under the most adverse conditions on soils uncultivable and otherwise useless. It's not a PEST like Bermuda or Johnson grass, and one cultivation or turning under eliminates it. Besides this, it can readily be sown over other PASTURES, HAY MEADOWS OR FALL GRAIN, from March to June, without affecting the other hay or grain crops. The grazing value of CARPET GRASS is the same as "Kentucky Blue Grass," and its hay cures beautifully and bright with 24 hours sunning, and runs 13% in protein. 1 lb. 50c, postpaid.

### Creeping Bent Grass (Agrostis Stolonifera)

This is particularly valuable for lawns that are to be used for croquet grounds or for tennis courts, because it is benefited more than hurt by tramping and by its bright color adds to the beauty of the lawn. 1 lb. \$1.35; postpaid.

**Bermuda Grass** Bermuda is a southern grass. It delights in sunshine and warmth. It is extensively cultivated in this section of the country for lawns. It is a small, creeping, hardy perennial, which thrives on nearly all our soils, even growing on many of our poorer, thin, sandy soils, though like other grasses it gives better results on richer soils.

The seed should be planted in April, May or June. Seed requires 20 to 39 days to germinate. The ground should be well prepared with a good firm seed bed, as the seed is small and is seeded broadcast at the rate of ten pounds per acre. Do not cover more than half an inch. The seeding should not be done too early, as the seed will not germinate if sown before the weather and ground become warm. 1 lb. 60c, postpaid.

**Sudan Grass** (A Wonderfully Quick-Growing Summer Hay Grass)—Yields two or more cuttings a season. Makes a bigger and better crop than Millet. It stools out wonderfully after the first cutting. Stock eat it up clean—blades, stalks and heads. A wonderful summer catch crop for hay. A sure hay crop in a dry season. Ready to cut in about 45 days after the first cutting.

Sow it after the ground becomes thoroughly warm, say after corn planting time. It may be sown either with a grain drill or in rows two feet apart, and cultivated like corn. When sown in rows it grows 6 to 7 feet high; when sown broadcast the hay is finer and rather better than when grown in rows. Cut when in bloom, for at that stage the feeding value is highest, yet there are few grasses so little injured by standing beyond the proper stage for cutting.

Sow 6 to 8 pounds to the acre in 2-foot rows; 25 to 30 pounds broadcast. By mail, 1 lb. 25c, postpaid.

**Timothy** Timothy is probably unsurpassed by any other grass. The largest crops of hay are raised on rich land. It is not suited for light, sandy soil as well as some other grasses. 1 lb. 25c, postpaid.

**Dallas Grass** Sow eight to ten pounds to the acre. Has given splendid results in the South. It is an ideal grass for dairy farmers, as it produces enormous quantities of fresh, green, juicy feed during the hottest weather. Germinates slowly and requires from three to four weeks of warm, moist weather to sprout. Plant from November to March, 8 pounds per acre. 1 lb. 70c, postpaid.

### Russell-Heckle's Pasture and Grass Mixtures

**PERMANENT GRASS MIXTURE No. 1**—For Hay or Pasture; recommended for light, loamy or medium upland, for either hay crop or grazing purposes. Composed of Orchard Grass, Perennial Rye Grass, Tall Meadow Oat Grass, Red Clover, Alfalfa, etc. These Grasses mature and ripen together, making a splendid hay. Sow 30 to 35 pounds to the acre. 1 lb. 30c, postpaid.

**PERMANENT GRASS MIXTURE No. 2**—Intended for good moist soils, also for grazing as well as hay. Sow 25 pounds per acre. This is intended for the average soil. Use more seed where land is drier. If stock does not keep down to six or ten inches, use the mower to do so. Do not pasture too closely. This is well suited for "patching" your present pasture by discing or harrowing in. 1 lb. 30c, postpaid.

**PERMANENT HOG MIXTURE**—Especially prepared for pasturing hogs. Composed of Red Clover, Red Top Grass, Orchard Grass, Alsike Clover, Rape, etc. This will help you to carry your hogs through the summer and fall at small cost. Sow in February, March and April, also fall, at rate of 20 lbs. per acre. 1 lb. 30c, postpaid.

**CHICKEN PASTURE MIXTURE**—A splendid mixture of grains, clover and grasses for green feed for chicken runs. Sow in February, March and September at the rate of 30 pounds to the acre. 1 lb. 25c, postpaid.

**TIMOTHY AND ALSIKE MIXED**—Suitable mixture for wet lands, furnishing good pasture and hay. Sow in early spring and fall, 15 pounds of the mixed seed per acre. 1 lb. 30c, postpaid.

**Please Note** We are listing Field Seeds with postpaid prices only in pound lots. The fluctuating markets on field seeds make a set catalog price very unsatisfactory.

See Green Ink Price List enclosed for quantity prices on Grass Seeds.

Revised copies gladly furnished.

## RUSSELL-HECKLE'S LAWN GRASS SEED

### HOW TO MAKE A GOOD LAWN

Spade or plow ground to the depth of 8 inches. Afterwards harrow or rake carefully, pulverize all lumps and remove all large stones. If the soil is shallow, procure a supply of fine mold and spread over the surface to a depth of 5 inches. Soil may be enriched by bone meal or well-rotted manure wherever necessary, then rake level and roll the soil well to make a solid bottom. Scatter the seed evenly over the surface at the rate of 60 or 75 pounds to the acre. Rake seed in and roll, water regularly and carefully, as the soil is liable to dry out in the heat of the day, and if it does while the seed is germinating it will invariably perish. When the grass is 3 inches high it should be cut and rolled, and every week or so thereafter until the grass has become firm. Eradicate weeds whenever they appear, without disturbing the grass. Should bare spots appear, rake the surface and sow more seed.

### HOW MUCH SEED TO SOW

You cannot sow too much; the more the better; it means a quicker, more satisfactory and lasting result. We recommend, on new ground, for average mixtures, to sow as follows: One pound on 200 square feet (10 x 20); 6 pounds on 1,200 square feet (20 x 60); 15 pounds on 3,000 square feet (50 x 60). A good rule is to figure one pound for each 200 square feet. For renewing old lawns use one pound to 400 square feet (20 x 20).

**Bermuda Grass** This variety is strictly a hot weather grass and is the only kind that will withstand the hot sun in the summer time. Sow in the spring of the year, when the ground becomes warm, or any time in the summer, using one pound of seed to a space 10 by 50 feet. A beautiful green lawn can be obtained from the seed much cheaper than by sodding. Landscape men and those who have charge of golf links appreciate this and have almost entirely ceased using sod, as a more even turf can be obtained from the seed than by sodding. The seed will germinate very readily when the weather is warm by sprinkling every day, as plenty of water is necessary. 1 lb. 60c; postpaid.

**Rye Grass** For winter lawns. This grass is becoming more popular each year. When sown in the fall, which is the proper season, Domestic Rye Grass remains green all through the winter. Sown on top of Bermuda in October or November. Mix 1 pound of Rye Grass seed with 5 pounds of pulverized Sheep Manure for 10 x 20 feet, or 200 square feet. Requires approximately 200 pounds to seed an acre. Domestic Rye Grass is also adapted for pasture, as it is not easily injured by tramping. For pasture sow 80 pounds to the acre in October or November. 1 lb. 25c; postpaid.

**Evergreen Lawn Grass** One pound sows 400 square feet; 80 to 100 pounds sow an acre. Our Evergreen Lawn Grass is a mixture of grasses that are adapted to lawn making. Will give a beautiful green growth at all seasons, and will make a rich, deep green, velvety lawn. 1 lb. 50c; postpaid.

**Shady Spot Lawn Grass** A special mixture of grasses adapted to growing under trees and in shady places where it is difficult to get other grasses to grow. 1 lb. 60c; postpaid.

**Kentucky Blue Grass** Adapted for shady locations, and requires rich soil. It will do well where lime is used in the ground. Fine for lawns, also for pasture, where soil is suitable. Sow in February, March and April, also in the fall. One pound sows 20 by 20 feet, or 400 square feet; 80 to 100 pounds to the acre. 1 lb. 55c; postpaid.

**Fertilizing Lawns** Nothing will give a lawn the rich, deep green, velvety appearance so much admired like a liberal dressing of good fertilizer especially prepared with that end in view, and we have several which we recommend for the lawn, among the best of them being Loma and Nitrophoska.

### Little Giant Weed Cutter

The Little Giant is a weed cutter, not a weed gatherer that you spend half your time shaking the weeds out of.

Blade made of cutlery steel, 11 inches long, 2 inches wide and detachable for replacing.

The T shank eliminates quivering. Has 28-inch best quality ash handle. It's all alone in a class by itself. Each \$1.00, F. O. B. Memphis.



Little Giant Weed Cutter

### Sure-Grip Weed Puller

In a class by itself. Designed to pull both little and big weeds. The only one that will, without injuring the lawn. Fitted with 38-inch handle and easy to use. Each \$1.20; not mailable.

### Grass Hooks

No. 200 Lawn King—Forged from razor steel, with short corrugated handle. Each 50c.

No. 6 Village Blacksmith—12-inch tool steel blade, with 43-inch handle. Each 50c.

### Galvanized Plant Stakes

For staking tomatoes, Dahlias, etc. Made in two lengths.

4½ foot ..... Each 15c  
5½ foot ..... Each 16c



Three-Piece Garden Set

### Three-Piece Garden Set

Consists of one Garden Trowel, one Transplanting Trowel and one Garden Weeder. Per set of three pieces, 60c. By mail, 75c.

### TOP NOTCH GLADIOLUS COLLECTION

Fifty No. 1 size Bulbs, fine named varieties in 10 colors, only \$1.75, postpaid.

5 America.....Lavender pink shade.  
5 Anna Eberius.....Velvety purple color.  
5 Evelyn Kirtland.....Gorgeous coral pink.  
5 Halley.....Clear salmon pink.  
5 Mrs. Francis King.....Very deep rose shade.  
5 Joe Coleman.....Large rich deep red.  
5 Panama.....Clear shade of pink.  
5 Chicago, White.....Large white, showy.  
5 Sweet Lavender.....Lavender and blue.  
5 Tyrian Beauty.....Very dark blue.

Fifty No. 1 size Bulbs in 10 colors. Mailed on receipt of \$1.75.

### TOP NOTCH SWEET PEA COLLECTION

One packet each of the following 10 separate colors Spencer Sweet Peas. Regular value \$1.00. Only 60c, postpaid.

Austin Frederick Spencer.....Giant lavender.  
Countess Spencer.....Large rose pink.  
Fiery Cross Spencer.....Beautiful cerise red.  
Heavenly Blue Spencer.....Clear sky blue.  
King White Spencer.....Large pure white.  
King Edw. VII Spencer.....Bright crimson.  
Prince of Orange.....Golden yellow.  
Miss California Spencer.....Bright pink.  
Miss Tom Jones Spencer.....Bright blue.  
Sunkist Spencer.....Rich cream.

All full size packets, 10 varieties.  
Mail all for 60c.

### TOP NOTCH ZINNIA COLLECTION

Eight packets separate colors Zinnias. Regular value 80c. Sent postpaid for only 50c. One each of the following:

Giant Crimson Zinnia Giant Orange Zinnia  
Giant Pink Zinnia Giant Lavender Zinnia  
Giant Purple Zinnia Giant Scarlet Zinnia  
Giant White Zinnia Giant Yellow Zinnia

All the finest Giant Flowered Zinnias. A real bargain, only 50c, postpaid.

### TOP NOTCH GARDEN COLLECTION

Regular value 75c.

Sent to your address by mail for only 50c.

1 pkt. Bush Beans.....Burpee's Stringless.  
1 pkt. Pole Beans.....Kentucky Wonder.  
1 pkt. Pole Butter Beans.....Carolina Sieva.

1 pkt. Beet.....Early Blood Turnip.  
1 pkt. Carrot.....Danver's Half Long.  
1 pkt. Lettuce.....New York or Wonderful.  
1 pkt. Mustard.....Southern Giant Curled.  
1 pkt. Okra.....White Velvet.  
1 pkt. Radish.....Cooper's Sparkler.  
1 pkt. Spinach.....Curled Savoy.  
1 pkt. Squash.....Early White Bush.  
1 pkt. Turnip.....Mammoth Purple Top Globe.

12 packets, all full size, only 50c, postage paid.

### TOP NOTCH FLOWER COLLECTION

Twelve packets best flower seeds. Regular value 60c. Sent postpaid for only 45c.

1 pkt. Corn Flower.....Mixed colors.  
1 pkt. Cosmos.....Early flowering mixed.  
1 pkt. Calendula.....Fine mixed.  
1 pkt. Helichrysum.....Straw flower.  
1 pkt. Larkspur.....Double mixed.  
1 pkt. Nasturtium.....Dwarf mixed.  
1 pkt. Marigold.....Double mixed.  
1 pkt. Phlox.....Fine mixed.  
1 pkt. Poppy.....Double mixed.  
1 pkt. Petunia.....Choice mixed.  
1 pkt. Verbena.....Choice mixed.  
1 pkt. Zinnia.....Double mixed.

### SPRAY MATERIAL COLLECTION

Regular value \$1.90. Price F. O. B. Memphis only \$1.40. Cannot be mailed.

1 can Aphitrogen, for lice.....Value \$ .50  
1 can Fungitrogen, for roses.....Value .40  
1 can Insectrogen, for all insects.....Value .35  
1 can Sure-Noxem, for garden insects.....Value .20  
1 can Plant Guard, a good one.....Value .25  
1 bar Sulpho Tobacco Soap.....Value .20

Total regular value \$1.90

Sent express collect for only \$1.40



## R.-H. Co.'s SEED OATS AND MILLET

**OATS**—One of the surest, best, and cheapest crops to grow. No farmer should fail to sow a good acreage in oats, either for grain or hay crop. They are ready to harvest or cut early in May, just when you need feed the most.

**CULTURE**—Sow as early as possible, in February and through March, in good soil two to two and one-half bushels to the acre. If the soil is poor, use 200 to 300 pounds 16% Phosphate to the acre. Cut them for hay when the oats are in the milk stage or about half matured.

### Early Burt or Ninety-Day Oats

Probably the earliest maturing of all Oats, hence Burts can be planted after it is too late to sow any other variety. Can be planted in March and mature in time to escape injury from heat. Early plantings can be cut in time to put the same land in corn, cow peas, soy beans, peanuts, cane, millet or other summer crops. For quick feed in the spring and for grazing, the Early Burt is the best of all. It is not a heavy yielder of grain, but fine for cutting in the dough stage.

### Calcium Nitrate

should be used on spring Oats just before grain is in the boot stage. It increases the yield substantially. Calcium Nitrate contains 15% nitrogen and as much Calcium Lime as half of its weight of lime stone.

### Fulghum

A rust-proof variety developed from the original Red Rust-Proof Oat. It is one of the most satisfactory and popular oats known. Its productiveness and early maturity, probably more than any of its other good qualities, have contributed to its wide popularity. They stool out splendidly, have large full heads, fine plump grains, and strong straw that stands about 3 feet high.

Over a three-year period in a comparative test made in the Southeast, Fulghum Oats average 12 bushels to the acre more than all other varieties. The grains are plump, usually of exceptional weight. Sometimes a bushel by measure weighing 37 pounds, and quite often 35 pounds; add to this the extreme earliness of Fulghum Oats and you have an ideal oat.

### Millet

Nothing pays better for a stock raiser or a dairy farmer than a few acres of Millet, for it not only yields at least half again as much hay per acre as Timothy or Clover but is also of the greatest feeding value and milk producing quality. When spring is so unfavorable that other crops fail to grow, or when the season is so late that corn will not mature any more, Millet is invaluable. Millets are also used as a catch crop after early grains. When sown in hot weather it is especially good to subdue weeds.

### Tennessee Golden Millet

Our Southern grown Millet makes much better growth than the Western grown seed. This true Tennessee grown, a type that produces better quality, grows taller and gives a larger yield of very nutritious hay, is a quick grower. It should be cut for hay when it begins to show the heads. Plant  $1\frac{1}{2}$  to 2 bushels an acre broadcast. Plant from April to August. The sowing of Southern Millet with cow peas for a hay is increasing in favor each year. When this is done, use an early variety, such as Whippoorwill or New Era, sowing about  $\frac{3}{4}$  to a bushel of Millet with one bushel of peas an acre. 1 lb. 25c, postpaid.

### Japanese or Barnyard Millet

(Called Billion-Dollar Grass in the West)—Distinct from other millets; grows 4 to 6 feet high, yielding an enormous crop that in quality is equal to cornfodder and is relished by stock. Sow in May, June or July, 20 pounds to the acre broadcast; or sow in 15-inch drills and cultivate until it is 18 inches high. When green, feed a moderate quantity at first, gradually increasing the quantity as the animals become accustomed to it. 1 lb. 35c, postpaid.



Big Crop from Fulghum Oats

### Kanota Oats

Bred at Kansas Experiment Station; named for three states, Kansas, Oklahoma, Texas. Bred from an improved strain of Fulghum, and often called Kanota-Fulghum. A splendid variety, early in maturity, always a big advantage; an exceptionally heavy yielder of both grain and straw, with a uniform plump, heavy berry. Quite resistant to cold and for that reason much sought after for fall planting.

### Appler Oats

This is another development from an improvement over the old original Red Rust-Proof Oat. Its main claim to popularity is the extra yield that it gives, which is fully equal to the famous Fulghum Oat, though the Appler is not quite so early as the Fulghum.

### Calcium Nitrate

contains both Nitrate Nitrogen and Calcium Lime. All crops and soil are benefited by lime.

### Red Rust-Proof

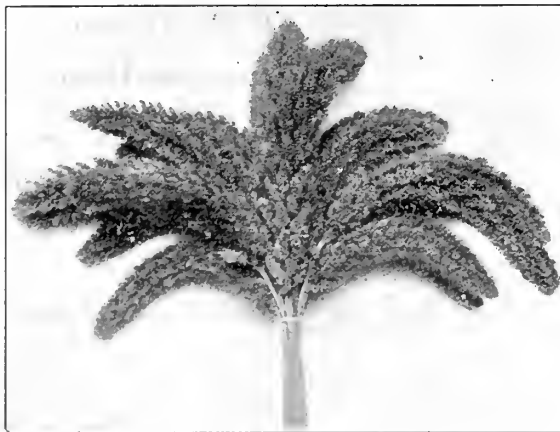
For years the standard in the South. Thousands of acres are planted to Red Rust-Proof Oats each year. Oats in the South have long been subject to rust and that's why the Northern White Oats are not successful down South. The Red Rust-Proof Oat is a very vigorous grower, robust and productive, does well on low ground. It is a heavy producer of grain year after year.

### Tennessee Winter Turf Oats

Tennessee has long been famous for its Winter Turf Oats, which have probably the greatest propensity for stooling of all the present-day oats. Further, they are the hardiest oats we have and will come through the winter when other varieties have all been killed out. This does not mean, of course, that they can't be killed, for that can't be said of any growing crop, but the fact remains that Winter Turf Oats are about the safest oat we in the South can plant in the fall. Due to their strong turfing and stooling characteristics they excel all other oats for grazing purposes after fall planting.

### Pearl or Cattail Millet

A well-known and valuable green forage plant for the South. It is one of the greatest and best yielders of green forage and continues to grow and produce through the entire season if cut frequently enough to prevent its going to seed; three to four cuttings may be had. Especially well adapted for our Southern states. Greatly relished by all kinds of stock and they eat it greedily. Pearl Millet goes a long way towards solving the forage problem and ought to be grown on every farm; fine for dairy cow and cattle feeding. Sow thinly in rows 3 feet apart at rate of 8 to 10 pounds per acre. 1 lb. 50c, postpaid.



### Hungarian Millet

An early forage plant, early and productive, growing 2 to 3 feet high, with an abundance of foliage, often yielding 2 to 3 tons per acre. Sow 1 bushel to the acre. 1 lb. 25c, postpaid.

### Oat Prices

Prices on Seed Oats are changing constantly. Send us a card, state quantity you will need, and we will quote the lowest market price.

See Green Ink List enclosed for present prices on Seed Oats and Millet.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## R.-H. Co.'s SAGRAIN AND SORGHUM



Sagrain, the Wonder Forage Crop

### SAGRAIN

Grows on land you can't plant to other crops; thrives in low places that usually drown out. Produces from 8 to 20 tons silage, or if left to ripen will produce from 30 to 75 bushels grain, and 4 to 8 tons cured hay; has heads like Kaffirs. Usually weighs about 7 ounces and the average ear corn weighs 8 ounces. In feeding value has 90% value of corn; can be fed to hogs, chickens, cattle and work stock. Plant as early in the spring as frost will allow. Will then be ready to harvest when crops are laid by, usually along about the 1st of August.

Plant in 3½-foot rows. Cultivate a couple of times and thin out, leaving a stalk every 8 inches apart. Use a common sorghum or pea plate. We do not recommend broadcast planting. Can be best harvested with a corn binder, shocked like oats until cured. Six to eight pounds will seed an acre, planted in 3 to 3½-foot rows. From each seed planted you get from 6 to 10 heads of grain as it stools out and should be left very thin in drill. 1 lb. 25c, postpaid.

**Sagrain No. 303** An improved strain, a dwarf selection of the original Sagrain, with heavier head. Stalks grow stocky, dwarf and very uniform. You will find it a great improvement over the regular strain. Lb. 50c, postpaid.

**Schrock Kaffir Sorghum** A comparatively new grain as it is quite sweet and grows an abundance of broad, long leaves. Excellent stock and poultry feed. Drill at the rate of 5 pounds per acre. 1 lb. 25c, postpaid.

**Darso** Similar to Kaffir Corn, matures earlier; a great drought-resister. Darso makes excellent silage and can be used as grain or forage crop. Plant is low-growing, heavy foliage with a large stalk. Plant in drills, 10 pounds to the acre in April or May. 1 lb. 35c, postpaid.

**Feterita** Three or four weeks earlier than Kaffir Corn. It is the most drought-resisting of any of the sorghum family. Sow in April or May, in drills, 5 pounds to the acre. 1 lb. 25c, postpaid.

**Egyptian Wheat or Shallu** The heads are large and heavy. It makes hens lay better than any poultry food. Plant in drills 3 feet apart, using ten pounds of seed per acre, or broadcast, using from 2 to 4 bushels. 1 lb. 35c, postpaid.

**QUANTITY PRICES**—See Green Ink List enclosed for quantity prices on Sagrain, Sorghum Seed, etc.

### SORGHUM

**CULTURE**—Plant when the ground becomes thoroughly warm, say two weeks after corn planting, on a rich, well drained clay loam, in rows 3½ to 4 feet apart, and cultivate as you would corn. After the flowering stage is passed, but not earlier, it may be pastured or cut for fodder. Sorghum may be grown with cow peas and soy beans either in rows or broadcast.

**Early Amber** An early Southern variety grown almost exclusively for forage crop either alone or broadcast with peas. Sow broadcast alone 50 pounds seed per acre. If with peas broadcast, use 25 pounds seed with 60 pounds peas per acre. 1 lb. 20c, postpaid.

**Early Orange** From 8 to 10 days later than the Early Amber, and produces a syrup of excellent quality. 1 lb. 20c, postpaid.

**Japanese Honey** This variety of cane is without a doubt the best syrup producer of all the varieties and is also a splendid forage crop for green feeding, making excellent hay if sown in drills very thick, and may be planted any time between April and August. It grows 10 to 12 feet high and is very prolific. 1 lb. 25c, postpaid.

**Texas Seeded Ribbon Cane** Whether you grow it for syrup, for ensilage or for feeding, you will like it. The syrup yield is good, frequently from 175 to 200 gallons to the acre. As it grows 10 to 12 feet tall, with an abundance of fodder, it makes a most economical ensilage, filling the silo at a minimum cost. Plant in 3½-foot rows when the ground has become thoroughly warm, thin out to stand 10 to 12 inches apart in the rows, and cultivate just as you do corn. 1 lb. 25c, postpaid.

**Red Top or Sumac** Grown extensively in Middle Tennessee. Succeeds well in this section. Very sweet and one of the best for hay. 1 lb. 20c, postpaid.

**Sugar Drip** It makes a large, juicy and succulent growth. It will yield about 65 per cent of the weight of the cane in juice. One of the most desirable syrup varieties. 1 lb. 25c, postpaid.

### SPECIAL ATTENTION

**NON-WARRANTY**—Owing to the peculiar hybridization of syrup cane varieties, it is impossible to guarantee any of the varieties here listed. We have selected all the syrup cane varieties on our list with best possible care, but at the same time do not guarantee that they will come true.

All orders for syrup cane varieties are therefore accepted only on these conditions.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## RUSSELL-HECKLE'S SOY BEANS



A Field of Biloxi Soy Beans

### Laredo Soy Beans

At last the ideal Soy Bean for the entire South seems to have been developed. The Laredo matures reasonably early, does not shatter out badly and will make a crop under conditions that would spell ruin to Cowpeas or other Soy Beans. Yields of four tons of hay have been obtained, quality almost equal to Alfalfa; as much as 35 bushels of beans have been harvested per acre.

One bushel will plant 6 to 8 acres in rows 3 to 3½ feet apart, depending upon how thick you want them. We know of one farmer who got a perfect stand using one bushel to 12 acres. They should not be covered deeper than 1½ inches; a half-inch is better. One or two cultivations to keep down the grass and weeds is advisable. The Delta Experiment Station reports splendid results from sowing Laredo March 25th to April 10th with a wheat drill on oats planted previous fall. This drill helped instead of hurting the oats, and the beans were not large enough when the oats were harvested to interfere with the binder. Sow seed broadcast at rate of one bushel per acre; when sown in drills sow about 1 gallon or two gallons per acre. Qt. 45c, postpaid.

### Virginia Soy Beans

On account of its abundant growth and large yield of beans the Virginia makes most excellent hay and ensilage. As it is about 20 days earlier than Mammoth Yellow, it can be grown farther north and throughout the corn belt. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The stems being fine and the leafage profuse adapts it particularly well for hay making; sow broadcast one and one-half bushels to an acre; in drills ½ bushel to an acre. Qt. 45c, postpaid.

### Biloxi Soy Beans

An upright variety growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; the oil and protein contents are high; a fine bean for hogging down, for planting with corn or sorghum and for oil. The pods are less liable to pop than most varieties—in fact, they hardly shatter at all. Late in maturing, requiring a long season to mature, but makes an unusually luxuriant growth; sow seed broadcast at rate of two bushels to an acre; in drills sow ½ bushel to the acre. Qt. 45c, postpaid.

### Otootan Soy Beans

Few Soy Beans can equal Otootan as a hay maker. Its late maturity is more than overcome by the abundant growth—5 feet and more in long growing seasons—its fine stems and abundant foliage, and the fine texture of its hay. It differs from most varieties in having many leafy branches instead of a coarse central stem, making it easy to cut. Planted in 3-foot rows, they will cover the land with a mass of foliage. Recommended for sections south of Virginia which have a long growing season. Qt. 50c; postpaid.

### George Washington Soy Beans

Very early maturing, ready to cut in August; makes more vine than Virginia, and a very desirable variety; sow seed in May, same quantity as recommended for Virginias. Seed scarce for year or two. Qt. 50c, postpaid.

### Mammoth Yellow Soy Beans

The latest, yet the most extensively grown for both beans and forage, both of which it yields in greater abundance. It grows more than three feet high, is erect in growth and can be cut with a mower. Valuable for both beans and forage. Mammoth Yellow is one of the largest growers among Soy Beans, and the most widely grown variety and excels in yield of bean hay; sow seed in May broadcast at the rate of two bushels to the acre; when planted in drills use ½ bushel of seed to the acre. Qt. 40c, postpaid.

### Tanloxi Soy Beans

(Olive drab-seeded strain but don't breed entirely true to color)—A hybrid between Otootan and Biloxi; plants are medium slender, semi-vine type, about medium between Otootan and Biloxi. A few days earlier than Biloxi, very prolific both in beans and vines and does not pop badly. Unexcelled to plant in corn. Seed very scarce for next year or so. Qt. 50c; postpaid.

## VELVET BEANS

Makes an enormous growth for forage, also worth millions to the South as a soil builder, besides its value as a fall and winter feeding crop.

**EARLY SPECKLED OR 100-DAY VELVET**—The most valuable of all varieties and the general favorite for all sections. This variety is the quickest grower and the most prolific. Matures in from 90 to 100 days. Sow in drills in May, one peck to the acre. Qt. 45c; postpaid.

## MUNG BEANS

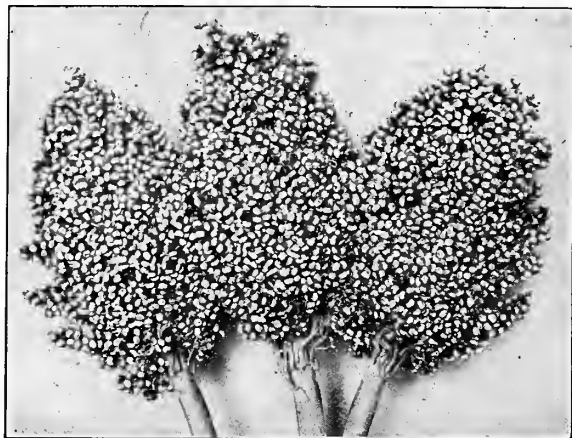
Mature about 15 days earlier than Soy Beans and Cowpeas and invariably have produced larger tonnage of hay and forage, as well as larger production of beans. Grows 4 to 6 feet tall and is one of the finest soil improvers yet discovered. Requires about 8 pounds of seed to plant one acre. Plant in May in rows about 3½ feet apart and 2 to 4 inches apart in the rows. 1 lb. 50c; postpaid.

## AUSTRIAN WINTER PEAS

This wonderful winter cover and forage crop was introduced from Europe several years ago. The dairy farmers over there plant them very extensively for use as green forage during the winter and early spring. From the standpoint of cold resistance and enormous winter growth, we consider the Austrian Winter Pea one of the most successful winter legumes for the South. It has been known to stand very low temperatures and, being a fast grower, is very valuable for winter pasturage. Plant in September or October, when the ground is not in use, and it can be plowed under early in the spring, before time to plant spring crops. Will keep the land from washing and packing and at the same time furnish much valuable fertilizer. If desired the crop can be cut and used as feed. We advise sowing broadcast, 20 to 25 pounds per acre, mixed with a bushel of Rye, Oats, Barley or Wheat, or can be sown alone in drills at rate of 40 pounds per acre. 1 lb. 25c; postpaid.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## YELLOW MILO MAIZE



A wonderful drought-resistant, non-saccharine sorghum that makes a thick succulent growth of nutritious milk-producing forage. For fodder and ensilage, cut when in the dough stage; at this stage it has a feeding value practically equal to corn. Any good corn land will bring Milo Maize either for green feed, dry fodder or for the grain. It grows on all soils from sandy to heavy clay loam. Plant in  $3\frac{1}{2}$ -foot rows after the ground is thoroughly warm, and give it the same cultivation you would corn. Six to eight pounds will plant an acre. 1 lb. 25c; postpaid.

## White Kaffir Corn

Kaffir Corn yields heavy crops. It adapts itself to a wide variety of soils; a long dry spell may stop its growth, but it starts again with the first rain. The grain as well as the plant makes fine feed for stock, hogs, poultry and pigeons. With Cowpeas, sow broadcast one peck of Kaffir Corn to a bushel of peas; sown alone, 3 pecks to a bushel broadcast an acre; in drills 6 to 8 pounds plants an acre in  $3\frac{1}{2}$ -foot rows. Plant from after the ground is thoroughly warm till early in June. 1 lb. 25c; postpaid.

## Red Kaffir

Grows taller than the white; stalks slender, juicy and very leafy. Ripens earlier than that of the white and yields much heavier. 1 lb. 25c; postpaid.

## Stock Peas

May be sown any time from March to September, either broadcast or in drills. One to two bushels per acre for broadcasting; two to three pecks for drilling.

**WHIPPOORWILL**—Favorite early bunch hay variety.

**NEW ERA**—The earliest upright-growing variety.

**BLACK STOCK**—Large vining variety. Best for thin land.

**CLAY**—Early vining variety for hay.

**RED RIPPERS**—Vines grow long; great hay variety.

**WONDERFUL or UNKNOWN**—On account of the great growth of the vines, this variety is especially valuable.

**MIXED**—Preferred by many for hay; will grow thicker than separate varieties.

**LARGE WHITE BLACK EYE**—The dried peas are readily saleable as table peas during the winter.

**WHITE CREAM or LADY**—Fine flavor for table use.

**WHITE CROWDER**—An excellent variety for table use.

**BROWN CROWDER**—Large size, of fine flavor.

Prices on Stock Peas given on application. Let us know how many you will need.

## Field or Shell Beans

**WHITE NAVY BEANS**—Plant one peck to the acre in drills wide enough to work—in May or June. 1 lb. 25c; postpaid.

**WHITE MARROW BEANS**—Plant in May or June in rows wide enough to work; use one peck to the acre. 1 lb. 25c; postpaid.

**WHITE KIDNEY and RED KIDNEY BEANS**—Plant like Navy Beans. 1 lb. 25c; postpaid.

**GREAT NORTHERN BEANS**—Very prolific and of fine quality—use one peck to the acre in drills. Plant in May or June. 1 lb. 25c; postpaid.

## Broom Corn

**IMPROVED EVERGREEN BROOM CORN**—An excellent variety of good length; has fine, straight straws. Sow in April, one gallon to the acre. 1 lb. 20c; postpaid.

**OKLAHOMA DWARF BROOM CORN**—Straight, stiff stems and leaf; markets readily. 1 lb. 25c; postpaid.

## Buckwheat

Sow three pecks to one bushel to the acre. It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees. 1 lb. 25c; postpaid.

## SEED PEANUTS

Prepare the ground well, laying it off in rows with a shovel plow; the rows should be  $3\frac{1}{2}$  feet apart, and put two kernels to the hill, which are about one foot apart. One and one-half bushels of unshelled nuts will seed an acre.

**IMPROVED WHITE VIRGINIA**—These are uniformly large, and when grown on light sandy land will produce nuts of that bright, attractive appearance demanded by the best trade. 1 lb. 30c; postpaid.

**TENNESSEE LONG RED**—Especially adapted to this section. The nuts contain three large kernels in each and are enormously productive. 1 lb. 25c; postpaid.

**SPANISH PEANUTS**—Although not as large as other kinds, there is no peanut grown that so entirely fills the pod nor can compare with it in sweetness and flavor. 1 lb. 25c; postpaid.

**VALENCIA PEANUTS**—The pods are large, well filled, usually containing three or four nuts, and of such handsome appearance that they find ready sale at top prices. 1 lb. 30c; postpaid.

## Dwarf Essex Rape

A quick and cheaply grown pasturage for sheep, hogs, cattle and poultry. Ready in 6 to 8 weeks from sowing.

**CULTURE**—Sow it as early as possible; late March or early April is not too late; 3 to 4 pounds plant an acre in drills; 6 to 8 pounds broadcast. 1 lb. 25c; postpaid.

## Canada Field Peas

Use for the same purpose that the Cowpea is used in the summer. Canada Field Peas are one of the best cover crops that can be grown; also excellent for hay. Resists the cold weather.

It is good feed either green or dry for cattle. Sow in January, February and March, 60 to 90 pounds of seed to the acre with one bushel of oats. Qt. 35c; postpaid.

## Winter Hairy Vetch

Sow in September or October, 15 pounds to the acre with one bushel of rye or oats. Inoculate the seed. 1 lb. 25c; postpaid.

## Chufas

An excellent hog-feeding crop, fine for light soils. Plant in rows, one peck to the acre, in April or May. 1 lb. 45c; postpaid.

## Teosinte

A fodder crop. Sow in May or June, in drills, 2 pounds to the acre. 1 lb. \$1.25; postpaid.

## Russian Sunflower

Especially desirable for poultry and parrot feeding. Plant 6 pounds to acre in April or May and cultivate like corn. A big yielder and grows anywhere. 1 lb. 30c; postpaid.

## Artichoke (Jerusalem)

Excellent for fattening hogs. Plant in rows 4 feet wide, any time in March and April, dropping the tubers 18 inches apart in rows. Immensely productive. Three bushels will plant an acre. Qt. 35c; 4 qts. \$1.00; postpaid.

## Thousand Head Kale

Yields more than Rape; fine for sheep or hogs. Sow in March or April; also in September. Broadcast 4 pounds to the acre. 1 lb. 40c; 4 lbs. \$1.35 postpaid.

## Fall or Winter Barley

Sow in September or October,  $1\frac{1}{2}$  bushels to the acre. 1 lb. 20c; postpaid.

## Abruzzi Seed Rye

Sow broadcast, 1 bushel to the acre, in September and October. 1 lb. 20c; postpaid.

## Southern Seed Rye

Sow in September or October,  $1\frac{1}{2}$  bushels broadcast to the acre. 1 lb. 15c; postpaid.

## Red May Seed Wheat

Sow broadcast  $1\frac{1}{4}$  bushels to the acre in October and November. 1 lb. 15c; postpaid.

## Inoculation

All Stock Peas, Beans and Peanuts, as well as other legumes, should be inoculated before planting. Inoculation insures the most rapid and luxuriant growth, the forming of more and larger nodules on the roots, consequently the storing of more nitrogen in the soil for future crops. Use either Top Notch Culture or Nitragin, quoted on pages 16 and 17 of this catalogue.



Spanish Peanuts



## DU BAY SEED DISINFECTANTS INCREASE *your* FARM PROFITS *and* GARDENING PLEASURES

### By Preventing Seed-Borne Disease Losses

Regardless of the care taken in preparation of the seed bed and the selection of seed, field crop and garden failures may result from attacks of seed-borne diseases. One or more of some two hundred disease organisms are commonly carried by farm and truck crop seeds. The losses they cause may be easily avoided by disinfection of the seed before planting with the proper Du Bay Seed Disinfectants. Treatment with Du Bay Disinfectants is inexpensive, easily and quickly made, and harmless to seed. All your seed should be treated.

### CERESAN—For Cotton Seed

Ceresan generally increases the yield of cotton by preventing seed from rotting in cold, wet soil, thus permitting earlier planting; reducing damping-off or sore-shin; controlling surface seed-borne anthracnose, angular leaf-spot, and certain boll-rots and producing better stands of vigorous plants. Treatment has returned from \$3.10 to \$21.56 more per acre. Only 3 ounces needed per bushel of seed.

### SEMESAN BEL—For Seed Potatoes

Prevent seed-borne disease losses by treating seed before planting with Semesan Bel, the instantaneous dip disinfectant. No time-consuming soaking necessary. Semesan Bel is effective in controlling such destructive seed-borne diseases as scab, rhizoctonia, and black leg. Protects the seed piece against rotting by soil-borne organisms. Improves germination and usually produces a bigger crop of better quality. One pound treats 16 to 22 bushels of seed.

### SEMESAN

#### For Flower and Vegetable Seeds

Diseases carried on the seed often reduce germination and cause a poor stand, lowered quality, and unsatisfactory yields. Destroy these disease organisms without injuring the seed by treating your

#### CERESAN

1 lb. tin.....	\$ .75
5 lb. tin.....	3.00
25 lb. pail.....	12.50

#### SEMESAN, JR.

4 oz. tin....	\$ .50
1 lb. tin.....	1.75
5 lb. tin.....	8.00



#### SEED DISINFECTANTS



Du Bay Seed Disinfectants are poisonous and, under present postal regulations, must be sent by express or freight.



Ceresan increased the yield of cotton at the rate of 190 pounds per acre on this South Carolina farm

### CERESAN—For Seed Grains

Ceresan is effective in controlling stinking smut and seed-borne flag smut of wheat; seedling blight of cereals caused by seed-borne scab; smut of oats; covered smut and stripe of barley; kernel smuts of sorghums and millet; and seed-borne stem smut of rye. Ceresan is harmless to seed and does not injure grain drills. Use it to increase your grain yields and profits. Only 2 ounces needed per bushel of seed wheat, rye, sorghums or millet, and 3 ounces for oats and barley.

### SEMESAN, JR.

#### For Seed Field and Sweet Corn

A simple, quick, inexpensive dust treatment with Semesan, Jr., destroys harmful disease organisms on the seed, protects seed from rotting in cold, wet soil, controls seedling blight, reduces root and stalk rots, and generally increases crop yields. Harmless to seed corn. Does not slow up rate of drop. Only 2 ounces necessary per bushel of seed field or sweet corn. Costs only 5c an acre.

seeds, bulbs, roots, corms, and tubers with Semesan. Easily and quickly applied as a dust or liquid. Effective in controlling damping-off of seedlings and cuttings. Use Semesan to control seed-borne diseases and improve your vegetables and flowers.

Send for Free Descriptive Booklets

#### SEMESAN BEL

4 oz. tin.....	\$ .50
1 lb. tin.....	1.75
5 lb. tin.....	8.00

#### SEMESAN

2 oz. tin.....	\$ .50
1 lb. tin.....	2.75
5 lb. tin.....	13.00



In this field test Semesan, Jr., increased the yield of corn 21.7 bushels per acre



Note the great improvement in stand and vigor of growth of the Semesan Bel treated potatoes at left



1. Semesan treated gladiolus. 2. Untreated gladiolus. 3. Formaldehyde treated gladiolus.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

# Russell-Heckle Co's. TOP NOTCH INOCULATION

## for all legume crops

The legume crops, such as alfalfa, the clovers, soy beans, vetches, peas, etc., are known as soil builders because certain soil bacteria make nodules on their roots in which nitrogen is gathered from the air and stored. If these special bacteria are not present, the crop robs the soil instead of building it up. The only way to make sure that there is a sufficient supply of nodule bacteria in the soil is to inoculate the seed before sowing with a culture of the right kind of bacteria. Inoculation produces the following results.

1. **Insures Better Stands.** The legume crops require plenty of nitrogen in their early growth. Inoculation makes an ample supply available.
2. **Insures Bigger Crops.** Inoculation by increasing available plant food promotes the most vigorous growth and produces bigger crops.
3. **Increases Value of Crop for Feeding.** By feeding nitrogen to plants, their protein content and, hence, their feed value, is greatly increased.
4. **Adds Fertility to Soil.** Inoculation provides plenty of nitrogen for the crop and, when it is turned under, adds to the soil an average of 100 pounds of nitrogen per acre.

### Top-Notch—Easiest and Surest Form of Inoculation

Top-Notch Inoculation is a scientific pure culture of root nodule bacteria, prepared on special food jelly in bottles with patent stoppers which permit the bacteria to live and breathe and maintain their vigor. Each culture contains plenty of bacteria to inoculate the quantity of seed marked on the bottle. The cost per acre is very small. Moreover, Top-Notch Inoculation is easiest inoculation to use, requiring no equipment or experience. Takes only a few minutes. Complete directions on every bottle. Results are sure. Buy your Top-Notch Inoculation when you buy your seed. Always specify names of crop as well as size of culture wanted.

### PRICES—ORDER BY CROP

For small seeds—Alfalfa, Alsike, Red, White, Sweet and Crimson Clovers.

½-bushel size .....	\$ .60
1-bushel size .....	1.00
5-bushel size .....	4.00

For large seeds—Cowpeas, Soy Beans, Lespedeza, Velvet Beans, Vetches, Field Peas and Winter Peas.

1-bushel size .....	\$ .40
5-bushel size .....	1.50
10-bushel size .....	2.50

Garden size—For English Peas, Garden Beans and Sweet Peas.

All parcel post paid .....	\$ .25
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# Inoculate

## ALL LEGUMES

Alfalfa, All Clovers, Soy Beans, Cow Peas, Vetch, Peas, Beans, Peanuts with

All Legume  
Germs Are  
Perishable

To Protect You  
NITRAGIN Cans  
Stamped With  
Expiration Date



Legume Germs  
Die Rapidly  
When Dried

Authorities  
Recommend  
Inoculating  
With Water

### THE ORIGINAL LEGUME INOCULATOR Guaranteed Fresh Each Year—Leads in High Germ Count

For profitable results, Agricultural Colleges advise inoculation for all legume seed, because it pays well in producing larger quality yields. NITRAGIN inoculated legumes draw their nitrogen from the air—not the soil—with billions of fresh, efficient nitrogen-gathering germs. It's fresh each year—it's DATED, and leads in High Legume Germ Count. Quality inoculation is the cheapest legume crop insurance known.

#### NITRAGIN PRICES

Alfalfa, All Clovers	Size	Price
	1/4 bu.....	\$ .40
	1/2 bu.....	.60
	1 bu.....	1.00
	5 bu.....	4.75

When ordering  
always specify  
kind of seed

Peas, Vetch, Beans, Austrian Winter Peas	Size	Price
	1/4 bu.....	\$ .40
	1 bu.....	.60
	*1 1/2 bu.....	.90
	3 1/2 bu.....	1.80
	5 bu.....	2.50
	*Also called "100 lb. size."	

Soy Beans and Cow Peas	Size	Price
	1 bu.....	\$ .40
	2 bu.....	.70
	5 bu.....	1.50
	10 bu.....	2.50

When ordering  
always specify  
kind of seed



#### Garden Nitrágín—Garden Size— Peas, Beans, Sweet Peas

Inoculates from 1 ounce to 8 lbs. seed. Price, \$.25

IMPORTANT: When ordering NITRAGIN, always be sure to state kind of legume seed you wish to inoculate.

Nitrágín Has Served the American Farmer Since 1898

#### Mixing Nitrágín with Seed

Legume Germs die rapidly when dried. NITRAGIN, containing between 30%—40% moisture, will readily stick to the seed without adding water, and give inoculation. However, for best results, the preferred practice, recommended by The Nitrágín Company and Agricultural Authorities is to use water when mixing legume culture with seed.

## Velvet Lawns! Beautiful Flowers! Luscious Vegetables!



Plants can do their best only in a rich soil. They must have plenty of the right kind of plant-food. Only then can they grow vigorously and become sturdy, strong and beautiful. You can have a truly beautiful lawn and a garden the equal of any by feeding your plant this simple, easy way.

## NITROPHOSKA

15—30—15

Nitrophoska contains 15 per cent nitrogen, 30 per cent phosphoric acid and 15 per cent potash—all of which is soluble and easily available for rapid, sturdy growth.

Five to ten pounds of Nitrophoska (depending up on the natural richness of the soil) is enough to fertilize 1000 square feet of lawn or garden. It may be spread broadcast by hand; dissolved in water and applied with a sprinkling can; or mixed with such materials as peat moss and humus before applying.

These new air-nitrogen fertilizers are the gift of modern science to the farmer and the home-owner. They are three to four times as

rich in plant-food as the ordinary commercial fertilizer. They are as clean as sugar to handle, and they are absolutely free from weed seeds and all obnoxious odors. They can be applied easily, in a few minutes, to any lawn or garden of ordinary size—because "a little goes a long way."

## FLORANID

(UREA)

Floranid is a very rich nitrogen fertilizer (46% Nitrogen), used principally during the growing season to obtain more rapid growth, richer color of foliage and greater brilliancy of bloom. The nitrogen in Floranid is in the same chemical form as in liquid manure. Twenty-two pounds of Floranid contains as much nitrogen as a ton of manure. One pound of Floranid is enough for one application to 1000 square feet of lawn or garden.

#### PRICES

(Nitrophoska or Floranid)

Postpaid, 1 lb. 60c; 5 lbs. \$2.15; 10 lbs. \$3.25. Not prepaid, 1 lb. 50c; 5 lbs. \$2.00; 10 lbs. \$3.00.

## Calcium Nitrate

15% Nitrogen; 50% Limestone Equivalent

Attracts Moisture—Dissolves Quickly.

Calcium Nitrate is the most quickly and easily soluble of all nitrogen fertilizers. It will dissolve in its own weight of water. In dry weather, it will attract enough moisture from the air to dissolve itself. Even in a dry season, it absorbs sufficient moisture from the soil to dissolve and begin feeding the crop at once. Calcium Nitrate is the quickest and surest nitrogen fertilizer to use in dry weather. Prices given on application.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## R.-H. Co.'s NEW VARIETIES OF MERIT

### New Stringless Early Red Valentine Bush Bean

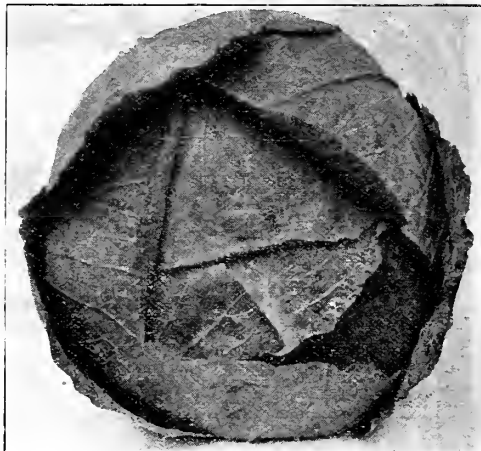


New Stringless Early Red Valentine Bush Bean

At last we have a true stringless early Red Valentine Bunch Bean. This new variety is a decided improvement over the ordinary Valentine bean, being entirely stringless, just as round, and equally as productive, and will mature in about 45 days from plantings. The pods are of handsome appearance, good, bright green in color, thoroughly round, stringless, and tender. The plant is thrifty and is very productive.

We were so well pleased with this new bean in our own garden, we have decided to offer same to our customers, feeling sure they will be highly delighted with its quality.

Price postpaid: Pkt. 15c;  $\frac{1}{2}$  pt. 25c; pt. 40c; qt. 70c. Not prepaid, pkt. 10c;  $\frac{1}{2}$  pt. 20c; pt. 35c; qt. 60c.



R.-H. Co.'s Early Peerless Cabbage

### R.-H. Co.'s Early Peerless Cabbage

The earliest flat or round head cabbage. It matures remarkably early and gives large, globe-shaped, solid heads, with small outer leaves.

It yields heavily, therefore the commercial value is great. Few outer leaves permit close planting.

The Early Peerless Cabbage is as early as the large Wakefield, therefore making it a fine variety for the early market. Price postpaid: Pkt. 10c;  $\frac{1}{2}$  oz. 50c; oz. 75c;  $\frac{1}{4}$  lb. \$1.50; 1 lb. \$4.75.

### R.-H. Co.'s Ribault Watermelon

This is unquestionably one of the finest melons ever introduced.

It measures 26 to 28 inches in length; rind is dark-green, with occasional deep-green stripes. The rind is medium thick and the meat is a very bright red, very sweet, which is entirely free from any stringiness or hard center.

The fruits will average 40 to 45 pounds and are very handsome. Price postpaid: Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.25.

### SPECIAL OFFER For Only 50c

1 pkt. New Stringless Early Red Valentine Bush Bean, regular value..	15c
1 pkt. New Coreless Carrot, reg. value	10c
1 pkt. Early Peerless Cabbage, regular value .....	10c
1 pkt. New Oxheart Tomato, reg. value	25c
1 pkt. Ribault Watermelon, reg. value	10c
Total .....	70c

Sent postpaid for only 50c.

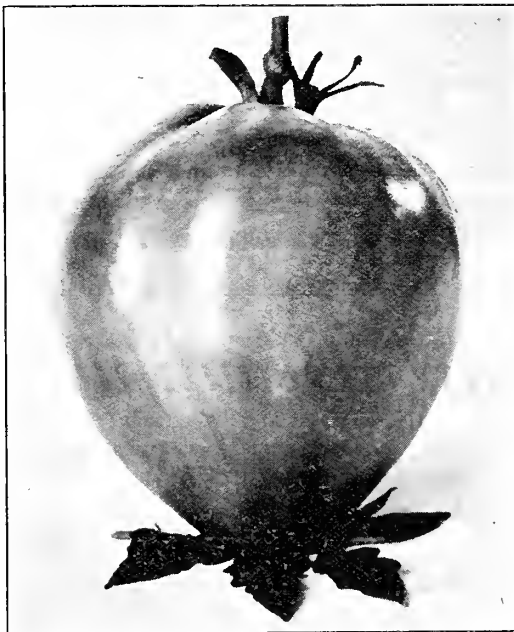
### New Oxheart Tomato

A giant in tomatoes, one of the very largest ever grown. The average weight is about one pound. Some specimens have grown to weigh three pounds.

The fruit is oxheart in shape, very attractive, beautiful dark red in color, has very few seed and is sweet, solid and of excellent flavor. Notice the illustration, which shows the Oxheart Tomato is in a class by itself. It is nearly coreless and nearly seedless, thus being nearly all meat. It ripens evenly to the stem without ridges or cracks. The vines are strong, rather open growth fruit, largely oblong in form, very large size and of a most beautiful rich red coloring.

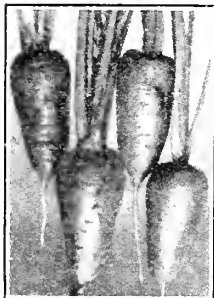
Being a vigorous grower, the plant is almost disease proof and shows very little tendency to blight, therefore making it an almost everbearing variety as it continues to bear until frost.

We consider the Oxheart Tomato one of the finest varieties in existence, is always smooth and never cracks. Its distinct shape makes it attractive at all times and with its wonderful qualities, being almost solid flesh, having very few seed, makes this variety the King of Tomatoes. Price, postpaid, pkt. 25c;  $\frac{1}{2}$  oz. 75c; 1 oz. \$1.25;  $\frac{1}{4}$  lb. \$3.00.



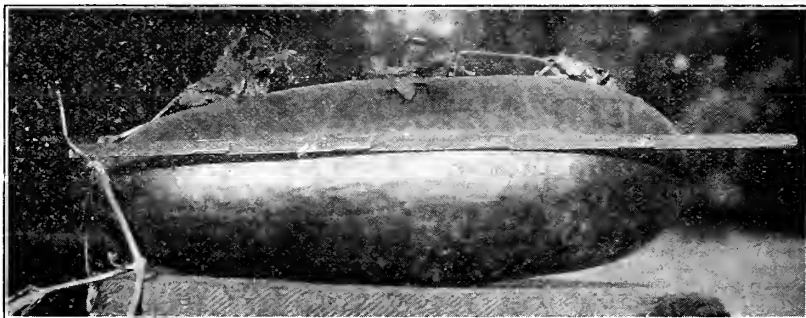
New Oxheart Tomato

### R.-H. Co.'s Coreless Carrot



R.-H. Co.'s Coreless Carrot

Absolutely free from heart or core. It is a half long cylindrical, blunt-pointed variety, with small tap root and a small fine top. The red orange flesh is of the finest flavor and is very fine grained and absolutely free from any stringiness or coarseness. Especially recommended for market gardeners. Price postpaid: Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.25.



R.-H. Co.'s Ribault Watermelon



## R.-H. Co.'s TOP NOTCH GARDEN SEEDS

### PROTECT YOURSELF FROM FAILURE—INSURE YOUR CROPS BY PLANTING RUSSELL-HECKLE'S TOP NOTCH SEEDS

Our seeds are as good as can be obtained anywhere. No matter what others may ask for their seeds, better quality cannot be obtained anywhere, as our fast increasing trade will testify.

#### PRICES

The prices we quote on vegetable and flower seeds will hold good as long as stocks last. Quotations on all farm seeds, grain, etc., are those ruling January 1, 1931, and are subject to market changes; as far as possible we will fill all orders for such seeds in full, but if market values will not permit this we will send all that money remitted will pay for.

#### POSTAGE

We pay postage wherever the word "Postpaid" appears. Otherwise, prices are F. O. B. Memphis, buyer to pay freight, express or postage charges.

### ASPARAGUS

**CULTURE**—Sow outdoors in February and March in 18-inch rows, dropping two seeds every 6 inches, cover seeds 1 inch. One ounce will sow 50 feet of row and produce two hundred plants.

**Palmetto** A very early maturing and prolific variety, producing an abundance of very large, deep green shoots of the best quality. Pkt. 5c; oz. 10c; ¼ lb. 25c, postpaid.

#### Mary Washington

The New Giant Rust-proof Asparagus. It grows very large and being rust-proof makes it a very valuable variety for both home use and market. Pkt. 5c; oz. 15c; ¼ lb. 45c.

#### Mary Washington Asparagus Roots

Asparagus Roots thrive best in soil exceptionally rich and mellow and supplied with a liberal amount of humus. A simple way to start the Asparagus bed is to plow furrows 7 inches deep and 3 to 4 feet apart, then set the plants in the trench, allowing 12 to 18 inches between them; spread the roots out well and cover with two inches of soil. After cultivation, gradually fill up the trench, eventually burying the crowns of the plants to a depth of 6 inches.

Prices: 2-year-old roots, doz. 45c; 50 \$1.50; 100 \$2.50; postpaid. Not prepaid, doz. 35c; 50 \$1.25; 100 \$2.25; 1,000 \$15.00.

### ARTICHOKE

**Large, Green Globe** Bears large flower heads, which are prepared for eating the same as asparagus. Set in rows 4 feet apart and set plants 2 feet apart in the rows. The plants, when mulched, will live through the winter. Pkt. 10c; ½ oz. 30c; oz. 50c; postpaid.

**Artichoke (Jerusalem)** Excellent for fattening hogs. Plant in rows 4 feet wide, any time in March and April, dropping the tubers 18 inches apart in rows; immensely productive. Three bushels will plant an acre. Qt. 35c; 4 qts. \$1.00; postpaid.

### BROCCOLI

Similar to Cauliflower and is prepared for the table in the same way. The seed should be sown and cared for in the same way as cabbage or cauliflower.

**Green Sprouting** The Italian Strain. An all seasons variety that comes into use about ninety days after planting. If started in hot bed April first, will be ready for use the first week in July. It is much less susceptible to weather changes than cauliflower and will produce heads in hot weather which would cause failure in cauliflower. Pkt. 10c; ½ oz. 20c; oz. 35c; postpaid.

### BRUSSELS SPROUTS

An erect-growing plant whose stalk is closely covered with light green buds resembling small cabbages, which should be cooked in the same manner as cabbage or cauliflower. Seed may be sown early in May; later the plants may be set about 2 feet apart and cultivated like cabbage. Pkt. 10c; oz. 25c; ¼ lb. 75c; postpaid.

#### OUR SPECIAL DISCOUNTS

On all cash orders for garden and flower seeds at catalog prices, we will allow the following special discount:

For \$1.00, select seeds in packets, 1 oz., ¼ lb., 1 lb., ½ pint, 1 pint, 1 quart, to the value of \$1.20.

For \$2.00, select seeds in packets, 1 oz., ¼ lb., 1 lb., ½ pint, 1 pint, 1 quart, to the value of \$2.50.

For \$3.00, select seeds in packets, 1 oz., ¼ lb., 1 lb., ½ pint, 1 pint, 1 quart, to the value of \$3.75.

And remember we pay postage.

#### NON-WARRANTY

Russell-Heckle Seed Company gives no warranty, express or implied, as to description, quality, productiveness, of any seeds, plants, bulbs, or nursery stock they send out, and they will not be in any way responsible for the crop.

#### IN EXPLANATION

Most of the failures with seeds, plants, bulbs, etc., are due to unfavorable weather or soil conditions, too deep or shallow plantings, etc., all causes beyond our control; therefore it is impossible for us to guarantee success.

But you can take our seed home, examine them, test them, call in your neighbor or County Agent, and if you feel you have not gotten your money's worth, or our seeds are not as represented, return them at once, and we will cheerfully refund your money. Our customers are satisfied customers.

### BEANS—BUSH LIMA

One quart will plant 200 feet of drill



**CULTURE**—Plant in May in light rich soil, in drills two feet apart, dropping the seed about one foot apart in the row, and cover two inches.

#### Burpee's Improved Bush Lima

Plants make perfect bushes from 18 inches to 2 feet high.

Pods are large and contain beans of the best quality. Postpaid, ½ pt. 25c; pt. 40c; qt. 70c. Not prepaid, ½ pt. 20c; pt. 35c; qt. 60c.

**Fordhook Bush Lima** Handsome large pods and beans. Postpaid, ½ pt. 25c; pt. 45c; qt. 85c. Not prepaid, ½ pt. 20c; pt. 40c; qt. 75c.

**Never Fail Bush Lima Beans** This is the most productive of the Bush Limas. It is of true bush form, about 2 feet high, bearing in greatest profusion, broad, flat pods, each having from three to five medium-sized, handsomely speckled beans. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

### Henderson's Bush Lima

Valuable on account of its earliness and productiveness. Pods short, flat, with three small beans of delicious quality. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

### Woods Prolific Bush Lima

Same as Henderson Bush, but pods and beans slightly larger. Very prolific. Postpaid, ½ pt. 25c; pt. 40c; qt. 70c. Not prepaid, ½ pt. 20c; pt. 35c; qt. 60c.

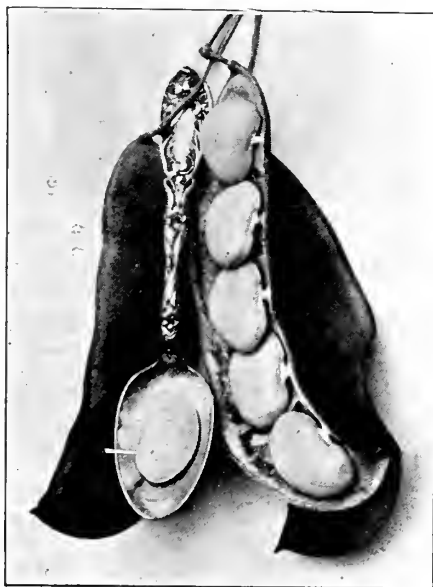
#### FREE WITH ORDERS

#### 1931 Calendar and Almanac

Useful in many ways. Gives weather predictions for the next 12 months, with other information.

When requested we will mail you a copy of our 1931 Almanac Calendar.

Don't fail to ask for a copy when sending your order.



Henderson Bush Lima

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## BUSH OR SNAP BEANS

**CULTURE**—These can be planted any time from April 1st to September 1st. Sow 3 inches apart in rows, and have the rows 2½ to 3 feet apart. One quart will sow 200 feet of row.

All of our Beans are carefully grown and will please the most critical market gardeners. It will also pay you to inoculate Beans with R.-H. Co.'s inoculation and fertilize with sheep manure. Dust when in blossom with Land Plaster, and get bigger yields.



### DWARF GREEN-PODDED VARIETIES

**Black Valentine** Suited for both early and late planting. This variety is ready for table use in about 42 days from the time of planting. Postpaid, ½ pt. 20c; pt. 30c; qt. 55c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 45c.

**Bountiful** This is a variety that is exceedingly popular, especially with commercial truckers along the gulf coast. The pods are green in color and are of large size; thick, broad, flat, extra long, very uniform in shape, solid, meaty and of high quality. The pods are absolutely stringless and are ready for table use in about 44 days after planting. Postpaid, ½ pt. 25c; pt. 35c; qt. 65c. Not prepaid, ½ pt. 20c; pt. 30c; qt. 55c.

**Burpee's Stringless Green-Pod** This variety is a favorite with a large number of truckers and gardeners in the South, and is also grown for canning purposes. It is one of the finest green-pod bush beans in existence. The pods are medium green, five to six inches long, cylindrical, and are quite fleshy and remain crisp and tender for some time. This variety is very productive, and the pods are absolutely stringless. This variety is ready for picking in 42 days after planting. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

**Full Measure** A fine medium early stringless green-pod bean of splendid quality. The pods are round, fairly straight and meaty. This variety matures in approximately 47 days after planting. Postpaid, ½ pt. 20c; pt. 35c; qt. 65c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 55c.

### Improved Red Valentine

This is another variety that is planted largely by truckers and gardeners for shipment to Northern markets. The plants are of medium size with dark green leaves. The pods are of medium length, about five inches long, medium green color, curved, cylindrical and very crisp and tender. This variety is ready for picking in 44 days after planting. Postpaid, ½ pt. 20c; pt. 30c; qt. 55c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 45c.



Black Valentine Bush Beans



Burpee's Stringless Green-Pod Bush Beans

**Longfellow** The pods are of fine quality, nearly stringless and from seven to eight inches long; straight and round. This variety is very prolific and is ready for table use in about 46 days after planting. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

**Stringless Refugee** A new variety of round green-podded Refugee Beans somewhat earlier than the Refugee or 1,000 to 1 and absolutely stringless. Postpaid, ½ pt. 25c; pt. 40c; qt. 70c. Not prepaid, ½ pt. 20c; pt. 35c; qt. 60c.

**Tennessee Green-Pod** This is a very hardy bean and a good yielder of large, very flat pods, six to seven inches long, dark green color and excellent flavor. This variety is planted very extensively in the South, and bears edible pods in about 43 days. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

### Stringless Early Red Valentine

At last a sure, genuine stringless Red Valentine Bush Bean. The round, green pods are fleshy, tender and entirely stringless. A very productive variety, one that also has the quality. Our trials of this new Stringless Valentine Bean the past season were highly satisfactory. Postpaid, ½ pt. 25c; pt. 40c; qt. 70c. Not prepaid, ½ pt. 20c; pt. 35c; qt. 60c.

### Giant Stringless Green-Pod

This is a very desirable green-podded variety for the home garden and also for truckers. The handsome round pods are six to seven inches long, dark green in color, brittle and perfectly stringless. It is one of the most productive sorts and can be picked in one-third the time of any other variety. This variety has achieved much popularity in Southern states, where it is grown on a large commercial scale for shipment to Northern markets. It is not quite as early as Burpee Stringless, as it is ready for picking in 44 days after planting. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

**QUANTITY PRICES** — For gallon, peck and bushel prices, see Green Ink List enclosed.

### DWARF WAX-POD OR YELLOW VARIETIES

**Currie's Rust-Proof Wax** Pods light yellow, similar in shape to Golden Wax. Five and one-half to six inches. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

**Davis White Kidney Wax** This is a well known market sort, much used for shipping. The plants are very hardy and productive and the variety is very desirable where a wax-podded, white-seeded sort is wanted. The pods are long, about six inches, sometimes longer. They are handsome, light yellow, straight, and when young are crisp and tender. The dry beans are excellent for baking. Seed medium large, kidney shaped. Postpaid, ½ pt. 25c; pt. 35c; qt. 65c. Not prepaid, ½ pt. 20c; pt. 30c; qt. 55c.

**Improved Golden Wax** This is probably one of the most popular of the wax variety. Pods are from four to five inches long, very stout, straight, or slightly curved, and oval in form. Edible in about 42 days after planting. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

**Pencil Pod Wax** Very early and productive, pods large and round, five to six inches long, strictly stringless, very brittle and of excellent quality. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

**Prolific Black Wax** The pods are round, about five inches long, fleshy, brittle and stringless. They are a deep yellow in color and very attractive. Ready for table use in about 43 days after planting. Postpaid, ½ pt. 20c; pt. 30c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 50c.

**Sure Crop Wax** A recent introduction similar to Currie's Rust-Proof. Pods are longer, thicker through and entirely stringless. Postpaid, ½ pt. 25c; pt. 35c; qt. 65c. Not prepaid, ½ pt. 20c; pt. 30c; qt. 55c.

**Webber Wax** Of recent introduction, very early and productive. The plants are strong-growing and bear their pods well up from the ground, which are of a rich golden color, tender, brittle and absolutely stringless. Postpaid, ½ pt. 25c; pt. 35c; qt. 65c. Not prepaid, ½ pt. 20c; pt. 30c; qt. 55c.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



## POLE OR RUNNING BEANS

**CULTURE**—Plant in May and June in rows four feet each way; five in a hill. Pole beans can be planted as late as August 1st and they will bear a good crop. They can be planted in corn as well as with poles. One quart will plant about 200 hills. One peck will plant an acre.



Kentucky Wonder Pole

### Burger's Stringless Green Pod

Also known as White-Seeded Kentucky Wonder. The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 60c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 50c.

### Kentucky Wonder or Old Homestead

It is almost needless to say anything about this great Pole Bean, for who has not grown it? It bears in 65 days from planting; should be kept picked, so that it will continue bearing until frost. The beans are 6 to 12 inches long, tender and rich. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 60c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 50c.

### McCaslan Pole Bean

Pods average 8 to 10 inches in length, are flat, slightly curved and of a rich green color. Makes an excellent snap bean, and the white-shelled beans are unsurpassed for winter use. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 35c; qt. 60c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 30c; qt. 50c.

### Red Speckled Cut Short

Plant in corn or on poles. It is hardy, late and is a heavy yielder. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 35c; qt. 60c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 30c; qt. 50c.

### Kentucky Wonder Wax

The stringless yellow pods are very tender and bear early and are of fine table quality. Postpaid,  $\frac{1}{2}$  pt. 25c; pt. 35c; qt. 65c. Not prepaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 55c.

### R.-H. C.'s Ideal Market Pole

Thick, stringless, green and tender, perfectly round pods with black seed; is two weeks earlier than any other variety. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 35c; qt. 60c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 30c; qt. 50c.

### Scotia or Striped Cornfield

This is the real Cornfield Bean that you have read so much about. If you want a bean to plant in your corn, this is your one choice. It will produce the kind of results that you'll expect. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 60c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 50c.

### Tennessee Wonder

Long, round pods; excellent for snaps as well as for dry shell beans. Postpaid,  $\frac{1}{2}$  pt. 25c; pt. 35c; qt. 65c. Not prepaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 55c.

### Southern White Creaseback

Especially valuable on account of its earliness. Can be planted in corn. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 60c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 50c.

### Yard Long Asparagus Beans

Hardy and easily grown; early and prolific, pods averaging two feet or more in length. Palatable for snap shorts, boiling, baking, soup, etc. Vines run 10 feet or more. Postpaid, pkt. 15c; 2 pkts. 25c; pt. 50c.

QUANTITY PRICES—FOR QUANTITY PRICES ON BEANS, SEE GREEN INK LIST ENCLOSED

## POLE BUTTER AND LIMA BEANS

**CULTURE**—Plant in hills three to four feet apart each way, and two inches deep, allowing six seeds to each hill. When the plants are well established they should be thinned out to four to cold than Bush Beans and should not be planted before May. They can be planted as late as July 15th.

### Carolina or Sieva

This very early and reliable small-seeded Pole Butter Bean is especially adapted for planting in the South. The pods are dark green, short, about three inches, curved flat. Seed small, flat, white with slight tinge of yellow. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 35c; qt. 60c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 30c; qt. 50c.

### Florida or Speckled Calico Butter

The best variety for bearing early in the season. It will make an abundant crop when others fail. Seeds of the Carolina or Sieva Lima size, but are speckled white and brownish-red. A dependable, prolific, small-seeded lima that is well adapted for the South. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 35c; qt. 60c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 30c; qt. 50c.

### King of the Garden Lima

The vines of this standard pole lima are very vigorous and productive. The pods are medium dark green, very large, five to six inches long, broad, flat, filled with four or five very large white beans of finest quality. On account of its large pods it is a favorite with market gardeners. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 35c; qt. 65c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 30c; qt. 55c.

### Large White Lima

Pods borne in clusters are broad, very thin, dark green; seed large, flat, greenish-white. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 35c; qt. 60c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 30c; qt. 50c.

### R.-H. Co.'s Improved Butter

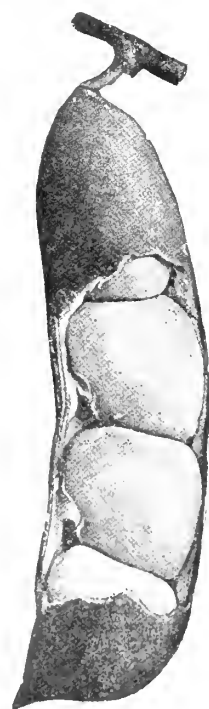
A Southern grown small white-podded variety, a little larger than the Carolina or Sieva. A strong grower, very prolific and especially well variety for market gardeners. Postpaid,  $\frac{1}{2}$  pt. 25c; pt. 35c; qt. 65c. Not prepaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 55c.

## BIG BARGAIN BEAN COLLECTION Only \$1.20, Parcel Post Paid

$\frac{1}{2}$ pint Burpee's Stringless Green Pod Bush Beans.....	Regular value	\$ .20
$\frac{1}{2}$ pint Giant Stringless Green Pod Bush Beans.....	Regular value	.20
$\frac{1}{2}$ pint Improved Early Red Valentine Bush Beans.....	Regular value	.20
$\frac{1}{2}$ pint Henderson's Bush Butter Beans.....	Regular value	.20
$\frac{1}{2}$ pint Sure Crop Wax Bush Beans.....	Regular value	.25
$\frac{1}{2}$ pint Kentucky Wonder Pole or Running Beans.....	Regular value	.20
$\frac{1}{2}$ pint Scotia or Striped Creaseback Cornfield Beans.....	Regular value	.20
$\frac{1}{2}$ pint Carolina or Small White Pole Lima Beans.....	Regular value	.20

\$1.65

Mailed to your address for only \$1.20



Florida or Speckled Calico

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## GARDEN BEETS

**CULTURE**—For very early crop, sow in hotbeds in January and February and transplant. Sow outside in drills from March to July, as desired, for medium, early or late crop. Drills two to three feet apart. Use a light, clean, free, deep soil. One ounce will sow 50 feet of drill.

### Crosby's Early Egyptian Beet

Improved strain of the famous Early Egyptian, but producing a deeper or thicker root; of fine form, extremely early, deep red color, almost black; flesh sweet, smooth, tender and of exceptionally fine quality; can be depended on for best results when grown either in the garden or under glass; highly recommended as an early market variety. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c; postpaid.

### Detroit Dark Red Beet

This splendid second early variety we highly recommend for market and private gardens. Roots globular, very smooth, with short tops; skin blood-red, flesh dark blood-red, sweet, tender and delicious. The tops are small and upright in growth. Fine for market bunching. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 65c; postpaid.

### Early Blood Turnip

It is distinctly a beet that will please you. A beet that has the approval of the most discriminating gardeners everywhere. The roots are medium sized, round, of dark-red color and fine flavor. Matures in about 45 days. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c; postpaid.

### R.-H. Co.'s Early Wonder

The first beet on the market where it will command fancy prices; most perfect in shape and a beautiful red color. Superior to Crosby's Egyptian and one week earlier. R.-H. Co.'s Early Wonder Beet is the result of years of selection and the improving resulting, we believe, in the earliest and most handsome globe-shaped beet on the market. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 70c; postpaid.

**BIG BEET COLLECTION** One ounce packet of each of the following varieties for only 35c, Parcel Post Paid: Crosby's Egyptian, Detroit Dark Red, R.-H. Co.'s Early Wonder, Early Blood Turnip, Swiss Chard.



Crosby's Early Egyptian

### Edmand's Early Blood Turnip

A handsome, clean, turnip-shaped Blood Beet. Skin and flesh are of a deep blood-red, sweet and tender in quality, and unsurpassed for solidity and keeping purposes. The roots grow regular and are of right marketable size. Tops are small, allowing them to be grown close together. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c; postpaid.

### Eclipse Blood Turnip

An early beet especially desirable for the home garden and used for bunching. The tops are small. The roots are bright deep red, smooth, round or slightly top-shaped, with a small tap and small collar. The flesh is bright red, zoned with pinkish-white, very sweet, crisp and tender. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c; postpaid.

### R.-H. Co.'s Ideal

A most desirable beet for the market and home garden, and on account of its uniformly deep rich color the most desirable for canning. The tops are small and upright in growth. The leaves are dark green, shaded with red. The roots are medium sized, globular or nearly round, very smooth and of dark blood-red color. The flesh is deep vermilion red, zoned with a lighter shade of the same color. The variety is very desirable for bunching. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 75c; postpaid.

### Long Smooth Blood

A standard and late variety, keeping well through the winter. The root is long, and skin smooth. Flesh very dark red, sweet and tender. The roots are thick-shouldered, grow largely under ground, are, when mature, about 2 inches in diameter and 10 inches long. They are ready for the table in about 60 days. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 65c; postpaid.

**Beet Plants** Crosby's Egyptian Ready about March 1st. Prices: Parcel post paid, 100 45c; 500 \$1.75; 1000 \$3.20. By express, not prepaid, 100 35c; 500 \$1.50; 1000 \$2.75.

## STOCK BEETS OR MANGELS

**CULTURE**—Deep soil produces the largest crops. Sow in rows 18 inches to 2 feet apart, 1 inch deep, and when the plants are 3 to 4 inches high they should be thinned out 6 or 8 inches apart. Transplant when the ground is moist, pinch off the leaves about 2 inches above the root, and set the plants into the soil up to the crown. Mangels make excellent feed for stock of all kinds.

### Golden Tankard Mangel

Yields enormous crops; very rich in sugar; skin and flesh deep orange-yellow; oblong in shape. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 45c; postpaid.

### Mammoth Long Red Mangel

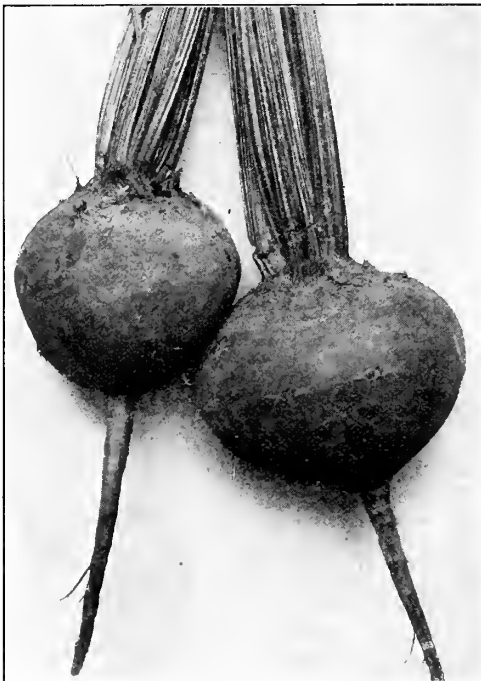
Grows to an enormous size in deep, rich soil; is an excellent keeper. Various reports from our customers who have grown it show yields of 1,400 to 2,000 bushels per acre. Close-grained, tender flesh of rich flavor. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 45c; postpaid.

### Giant Half Sugar Mangel

Desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts, but also having higher nutritive value, being especially rich in sugar. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.

### Klein Wanzleben

A large growing white variety. Very productive and contains a large percentage of sugar. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.



R.-H. Co.'s Early Wonder



Mammoth Long Red Mangel

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



# CABBAGE

**CULTURE**—Cabbage is a very gross feeder, and well repays heavy manuring and high culture. It succeeds best on well-drained soil. The plants are started in frame or seed bed, and afterwards transplanted. Seed for early cabbages may be started in autumn in a cold frame, or in early spring in a hotbed. For main crop, summer and autumn cabbage, the seed should be sown in a rich border in the open air, in May or June. Sow shallow; a packet will produce about 250 plants; an ounce 2,000 plants;  $\frac{1}{4}$  pound for an acre. Set plants  $1\frac{1}{2}$  by 3 feet apart.

**All-Head Early** Flathead type, medium in maturity, solid header, resistant to yellows. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$1.60; postpaid.

**All Seasons** One of the largest and a thoroughly satisfactory second earliest. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50; postpaid.

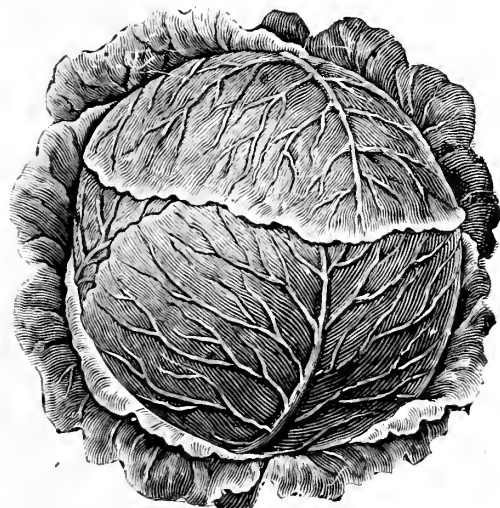
**Large Drumhead Savoy** The best and largest heading of the Savoy. Few people seem to know the delicious flavor of Savoy Cabbage. It is far superior to the flat-leaved sorts, and as tender as cauliflower after frost. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$1.75; postpaid.

**Early Drumhead** One of the best second early varieties; large, deep heads; solid. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.35; postpaid.

**Early Flat Dutch** It is a large cropper and a dependable header. Belongs to the second earliest. Matures in about 110 days. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$1.50; postpaid.

**Charleston or Large Wakefield** The one big advantage of Charleston is the greater size, where large-sized cabbage are wanted either for market or private use. It is fully one-third larger than the Jersey Wakefield and therefore more popular. Heads are solid, pointed and is a heavy yielder. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$1.50; postpaid.

**New Golden Acre** A very fine new cabbage from Denmark. Golden Acre produces heads a week to ten days ahead of Copenhagen Market. The head is of medium size, quite round, and is surrounded by a few small outer leaves. Price Genuine Long Island Grown Seed: Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.75; postpaid.



New Golden Acre

## Frost-Proof Cabbage Plants

Frost-Proof Cabbage Plants should be set out 4 to 6 weeks earlier than home-grown plants. They will mature fine hard heads three weeks before hotbed plants.

Varities: Jersey Wakefield, Charleston Large Wakefield, and Early Flat Dutch.

No order filled for less than 100 of a variety. We do not ship any plants C. O. D. Our terms are cash with order.

Prices: Parcel post paid, 100, 35c; 500, \$1.25; 1,000, \$2.25. Not prepaid by express, from Memphis, 500, \$1.00; 1,000, \$2.00. Prices F. O. B. growing station, express collect: 1,000, \$1.50; 5,000, \$6.25; 10,000, \$11.00.



Charleston Large Wakefield

**Large Late Drumhead** Rounder than Flat Dutch; good, solid heads. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.40; postpaid.

**Large Late Flat Dutch** Sure header, producing large, solid heads, flat on top, of growing habit. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.40; postpaid.

**Mammoth Red Rock** The largest and hardest heading red cabbage in cultivation; very uniform in size, weight, solidity and deep red color. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50; postpaid.

**Marion Market** Selected from Copenhagen Market; round head, short stem, early to mature; highly resistant to yellows. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.50; postpaid.

**R.-H. Co.'s Early Peerless** An extremely early variety, maturing a head of Golden Acre. Especially recommended for the market grower and shipper. The heads are round, solid and of excellent quality. The plants are compact, with few outer leaves. The leaves are thick and smooth and of medium light green color. Our strain of this variety is of superior quality in earliness and uniformity of size, shape and time of maturity. Pkt. 10c; oz. 75c;  $\frac{1}{4}$  lb. \$1.50; 1 lb. \$4.75; postpaid.

**R.-H. Co.'s Eureka** This valuable variety is as early as Large Wakefield, produces fine solid, flat heads in 75 to 80 days from sowing the seed. Pkt. 10c; oz. 75c;  $\frac{1}{4}$  lb. \$1.50; 1 lb. \$4.75; postpaid.

**Succession** A splendid sort, whether grown for medium early, midsummer or the late crop, and keeps well for winter use. Heads deep and solid, slightly flattened and of the finest quality. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$1.50; postpaid.

## Pe-tsai (Chinese or Celery Cabbage)

Has a mild cabbage flavor, very delicate and very fine salad. The hearts blanch to a crystalline white; whiter than lettuce and more beautiful than cabbage. The culture is the same as for cabbage. The seed should be sown for fall crop in June, July to September, half inch deep in the row and rows about 24 inches apart. When the plant has grown up to 5 or 6 inches in height, thin to 10 inches apart. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.25; postpaid.

### FOR CABBAGE WORMS USE BUG DEATH

A non-poisonous, effective insecticide. 1-lb. pkg. 25c; 5-lb. pkg. 75c; 12 $\frac{1}{2}$ -lb. pkg. \$1.50. By parcel post, 1 lb. 30c; 5 lbs. 95c.



Pe-tsai Chinese Cabbage

## CARROTS

**CULTURE**—Sow from February to September in light, deep, rich soil in drills 12 inches apart; plants should stand five inches apart in the rows; fertilize well. One ounce of seed to 100 feet of drill; four pounds to the acre.

**Danver's Half Long** Rich, light orange colored, good quality. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 75c; postpaid.

**Early Scarlet Horn** Very early, rather blunt-rooted; color orange-red. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. 80c; postpaid.

**Half-Long Scarlet or Chantenay** One of the best for home or market. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 75c; postpaid.

**Improved Long Orange** Long and deep orange. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 75c; postpaid.

**Oxheart** A short, chunky, early variety as thick through as it is long. Especially adapted for hard, stiff soil where longer varieties would not thrive. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. 85c; postpaid.



Danver's Half Long Carrot

**R.-H. Co.'s Coreless** This variety is especially recommended for market gardeners. One of the tenderest and finest table carrots, very sweet and juicy. See page 18 for further description. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.25; postpaid.

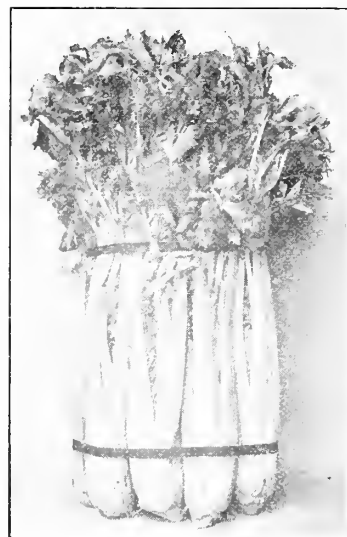
**Yellow Belgian** Similar to White Belgian, but of a pale orange color. The flesh is light orange. The roots are produced entirely under ground. A productive and nutritious stock-feeding carrot. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1 lb. 60c; postpaid.

## CELERY

**CULTURE**—Sow in beds in February or March and keep well watered. Transplant to moist, mucky soil; six inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top. One ounce of seed produces 2,000 plants.

**Giant Pascal** Bleaches very quickly after earthing up and is a beautiful yellowish-white color; very solid and crisp, and of a sweet flavor. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 70c; 1 lb. \$2.25; postpaid.

**Golden Plume or Wonderful** The plants are dwarf, stocky and vigorous growing with very full heart which bleaches quickly to a rich golden yellow color. Of very attractive appearance, superior quality and fine nutty flavor. Recommended as a very profitable variety for either the home or distant markets.



Golden Plume Celery

tant markets and also for the home garden. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50; postpaid.

**Golden Self-Blanching** Early, large, crisp, solid, good flavor. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50; postpaid.

**Henderson's White Plume** One of the best for early use; good quality; blanches easily. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 70c; 1 lb. \$2.25; postpaid.

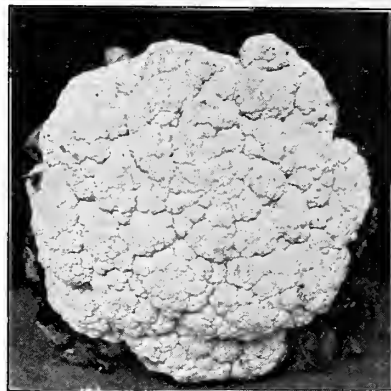
**Celeriac** Turnip-rooted celery. The roots have been developed by cultivation and are excellent for soups and stews. Also cooked and sliced as a salad. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50; postpaid.

## CELERY PLANTS

Varieties: Giant Pascal; Henderson's White Plume. Ready about April 1st. Price, postpaid, 25, 25c; 100, 60c. Not prepaid, 25, 20c; 100, 50c.

## CAULIFLOWER

**CULTURE**—Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; manure heavily and water freely. When heading begins, fasten leaves over top of head to whiten. One ounce of seed makes 2,000 plants.



Early Snowball Cauliflower

**Dry Weather** Adapted for growing in dry locations when other varieties fail. It produces large, solid heads. Pkt. 10c; oz. \$1.25;  $\frac{1}{4}$  lb. \$3.50; postpaid.

**Early Snowball** An extra early variety. A sure header; large, solid, perfectly white and good quality. Pkt. 10c; oz. \$1.25;  $\frac{1}{4}$  lb. \$3.75; postpaid.

**Lecerf Self-Folding** A new variety with self-folding leaves which protect the heads when blooming. Pkt. 10c; oz. \$1.50;  $\frac{1}{4}$  lb. \$4.00; postpaid.

## CAULIFLOWER PLANTS

Early Snowball, ready about March 10th. Postpaid, 25, 50c; 100 \$1.25. Not prepaid, 25, 30c; 100, \$1.00.

## COLLARDS

**CULTURE**—One ounce of seed will produce about 2,000 plants. Sow in spring or summer. Use same methods as for Cabbage; either sow in seed beds or in the row where desired to stand. If sown in rows, thin out as desired.

**Georgia White Cabbage** Called Cabbage Collard, on account of its close, bunching growth. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1 lb. 70c; postpaid.

**North Carolina Buncombe** Large spreading leaves; very hardy; good flavor. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; 1 lb. 75c; postpaid.

**Southern, or Georgia** This variety is the old-time variety, and is by far the best; stands most any conditions, being very hardy. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1 lb. 70c; postpaid.

## CARDOON

Main stalks are blanched like Celery. Used for salad or in soups. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.50.

## CHICORY

Sow in April and transplant in trenches 1 foot deep. Valuable as a salad as well as a vegetable.

**Magdeburg** Used for the roots. Cut in slices and dried makes substitute for coffee. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 60c; postpaid.

**Witloof** Used for the top. Also called French Endive. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. 85c; postpaid.

## CORN SALAD OR FETTICUS

One ounce will sow about 18 square feet. Sow in September or October. Large, round-leaved. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25; postpaid.

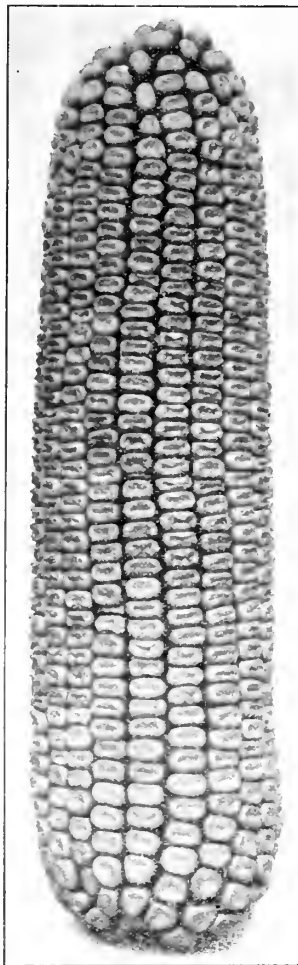
**Cress, or Pepper Grass** One ounce will sow about 15 square feet. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.00; postpaid.

## BUG KILLERS

Refer to pages 56 and 57 for prices on all kinds of Insecticides and Bug Killers.

## GARDEN AND SWEET CORN

**CULTURE**—For early market, plant the garden varieties latter part of March. Sugar Corn should not be planted until April, then at intervals of two weeks for a succession. Sugar and Garden Corns planted in July will mature late roasting ears. Plant 4 to 8 quarts to the acre. Treat seeds with Semesan, Jr.



R.-H. Co.'s Early Surprise

**Black Mexican** Well known and a favorite in a great many home gardens, the kernels having a decidedly bluish tinge when ready to eat, later turning black. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 55c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 45c.

**Bland's Extra Early** The earliest of all the Garden Corns. Fully a week earlier than Extra Early Adams. It makes an attractive ear of good size and fine quality; the grains are pearly white, plump, milky and tender. If you are like most gardeners and take a pride in having the earliest garden in your neighborhood you will have to plant Bland's. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 50c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 40c.

**Borden's Wonder Bantam Sweet Corn** A selection from Golden Bantam, being larger and superior in every way. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 35c; qt. 55c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 30c; qt. 45c.

**Country Gentleman** Small cob; long, slender, white grains, which are very sweet. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 50c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 40c.

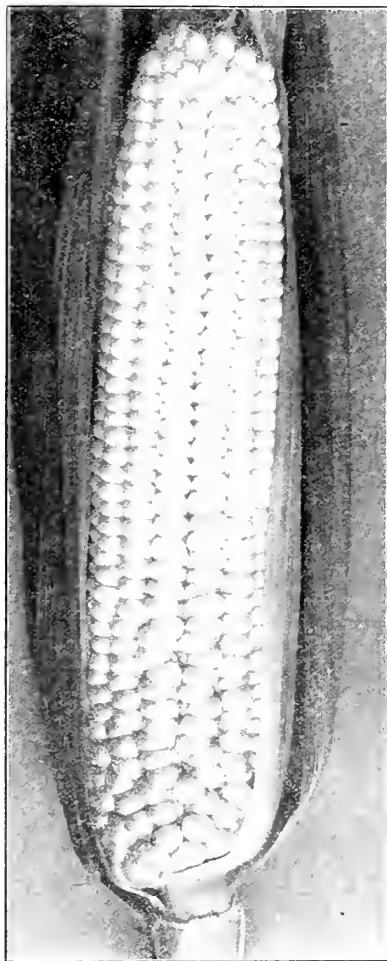
**Early Large Adams** About a week later than Extra Early; has larger ears. Postpaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 45c. Not prepaid,  $\frac{1}{2}$  pt. 10c; pt. 20c; qt. 35c.

**Extra Early Adams** Not a Sugar Corn, but is grown for early use. Ears short. Postpaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 45c. Not prepaid,  $\frac{1}{2}$  pt. 10c; pt. 20c; qt. 35c.

**Improved Adams** A fine variety, slightly larger than Early Adams. One week later. Postpaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 45c. Not prepaid,  $\frac{1}{2}$  pt. 10c; pt. 20c; qt. 35c.

**Early Snow Flake** Large size, very early; a fine corn for early roasting ears; also makes an excellent field variety, as it matures in 80 to 85 days. Postpaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 45c. Not prepaid,  $\frac{1}{2}$  pt. 10c; pt. 20c; qt. 35c.

**Elam's Early Market** This corn is positively one of the earliest of the very large-eared Garden Corns; ears measure 10 to 12 inches. It matures in about 65 days. In color the ears are pure white; very luscious, tender and palatable. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 50c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 40c.



Stowell's Evergreen

**R.-H. Co.'s Early Surprise** A splendid corn, coming in directly after Adams Early, but much larger. Has a white, soft grain. Postpaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 45c. Not prepaid,  $\frac{1}{2}$  pt. 10c; pt. 20c; qt. 35c.

**Golden Bantam** Extra early, sweet, tender and delicious. The stalks grow to a height of four feet, and can be planted close together in the row. They bear two or three good small ears to the stalk. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 50c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 40c.

**Golden Sunshine** Also an early variety of the Golden Bantam type, growing from 5 to 5 $\frac{1}{2}$  feet high and producing ears 7 to 8 inches long, with sweet, luscious yellow grains; matures 3 to 4 days later than Golden Bantam. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 50c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 40c.

**Howling Mob** One of the finest second early, large-eared sorts; ears 9 to 10 inches long. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 50c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 40c.

### GARDEN CORN COLLECTION

Only \$1.00, Parcel Post Paid

1 pint Bland's Extra Early.....	Value \$ .30
1 pint R.-H. Co.'s Early Surprise.....	Value .25
1 pint Country Gentleman.....	Value .30
1 pint Stowell's Evergreen .....	Value .30
1 pint Mammoth Sugar.....	Value .30

Total—regular value..... \$1.45

Specially priced for \$1.00, Parcel Post Paid

**Stowell's Evergreen** The standard and best known Sweet Corn. Ears 8 to 9 inches long, 16 to 18-rowed, with deep, sweet grain. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 50c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 40c.

**Trucker's Favorite** For a second early corn to follow Adams Early, or for late planting to mature early, this is a good sort. Postpaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 45c. Not prepaid,  $\frac{1}{2}$  pt. 10c; pt. 20c; qt. 35c.

**Mammoth Sugar** The Mammoth ears are thick through, with many rows of large grains of excellent quality. Postpaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 50c. Not prepaid,  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 40c.

**Whippell's Early Yellow** An extra early yellow Sugar Corn. Larger and earlier than Golden Bantam. Stalks grow 5 to 6 feet, and many produce two large ears. Kernels bright yellow, tender, sweet and finest quality. Whippell's Early Yellow Sugar Corn is ready for the table in about seven weeks. Postpaid,  $\frac{1}{2}$  pt. 25c; pt. 35c; qt. 60c. Not prepaid,  $\frac{1}{2}$  pt. 20c; pt. 30c; qt. 50c.

### Treat Garden Corn With Semesan Jr.

Permits earlier planting, gives better germination, better stands, therefore larger yields.

Apply dry to the seed; no special equipment is needed for this new seed treatment. Costs less than 7c an acre, guaranteed; increases the yield from 10 to 12 per cent. If it doesn't your money will be refunded.

Four-ounce pkg. 50c; 1 lb. pkg. \$1.75; 5 lbs. \$8.00; not mailable.

## CUCUMBERS

**CULTURE**—For very early crop, plant in hotbeds; for later crop, plant from April to July in rich, well-manured hills, 4 feet apart, 10 seeds in hill; thin to two or three plants. One ounce to 50 hills.

**Black Diamond** An extra early variety; small fruit, 7 to 9 inches long, round in shape. Color a beautiful dark green from end to end, which is retained longer than any variety we know of. Vigorous grower, enormous yielder, shipping quality unexcelled. Will command highest price on any market. It is the most prolific of the early, white spine types of cucumber. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

**Chicago Pickling** Fine for market gardeners. Medium length, green, very prolific. Good for pickling. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00; postpaid.

**Davis Perfect** Possesses all the merits of the best slicing varieties. Their handsome shape and fine dark green color command the highest price of the market. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.15; postpaid.

**Early Fortune** One of the best selections of the white spine type; is becoming very popular among the market men of the South. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.15; postpaid.

**Early Green Cluster** A very popular early cucumber, producing its fruit in small clusters. Average length is about 5 inches; skin prickly. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. 85c; postpaid.

**Evergreen White Spine** An extra early, white spine strain, producing very uniform fruit in great abundance. Fruit averages from 8 to 10 inches long and is of the finest quality. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00; postpaid.

**Everbearing** This variety is of small size; very early, enormously productive, and valuable as a green pickle. Its peculiar merit, however, is the vines continue to flower and produce fruit until killed by frost. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

### A PREMIUM ON YOUR ORDER

With every cash order to the value of \$5.00 or more we will send you FREE 1 pair NAPA-GOAT GLOVES, retail value \$1.00. These gloves are fine for garden work or spraying insecticides.



The Vaughan Cucumber

**The Vaughan** This is the largest of the white spine types, suitable for outdoor growing. To get best results it should be grown in rich soil or well-fertilized soil. When grown under these conditions it is reasonably prolific. It is a magnificent cucumber, about 15 inches long, of nice dark green color and nice shape. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

**SPECIAL DISCOUNTS**  
on Garden or Flower Seeds

Select any 6, 5c packets for.....	25c
Select any 3, 10c packets for.....	25c
Select any 13, 5c packets for.....	50c
Select any 7, 10c packets for.....	50c

**WE PAY POSTAGE**



Black Diamond

**Extra Early Long Green** One of the earliest and very productive. Fruit quite uniform; about 7 inches long and well rounded at both ends; of bright green color. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.15; postpaid.

**Improved Early White Spine** An improved strain of the white spine; good for forcing or outdoors. One of the best sorts for table use. The flesh is crisp and tender. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00; postpaid.

**Improved Long Green** A fine bearer of superior quality. The fruits are very long and of beautiful dark green color. Fine for slicing and pickles. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.15; postpaid.

**Gherkin or Burr** Used only for pickling. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

**Japanese Climbing** This is a strong and vigorous grower, fine for pickling. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

**Jersey Pickle** A favorite with pickle growers and commercial market gardeners; good for table use; very productive. Fruit small and uniform in size. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00; postpaid.

**Stay Green** A special strain for market gardeners, introduced by Simon & Son. An extra fine shipper; small and dark green. Pkt. 10c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

## DANDELION

One ounce will sow 100 feet of row

Use a clean, warm, rich soil. Sow in early spring in rows 18 inches apart, covering firmly with ½ inch of fine soil. When plants are well developed, thin or transplant to 10 or 12 inches apart. Leaves will be fit to cut the following spring. Leaves are best when blanched. This process removes to some extent the bitter taste without impairing the qualities which make them valuable greens. Blanching may be done by covering with leaves or loose litter, or by boarding them over. The leaves are used as salad or as boiled greens, the roots as a substitute for coffee. Pkt. 10c; oz. 35c.

## DILL

**Dill Mammoth** An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medicinal properties, but its largest use is for making Dill pickles. Plant branching, 2 to 3 feet high; leaves very much cut into thread-like segments. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

**Insect Remedies** Two pounds arsenate of lead mixed with 50 pounds Bordeaux mixture kills insects and prevents diseases. One pound arsenate of lead mixed with 20 pounds land plaster kills the striped cucumber bug. Apply as soon as the plants appear.



### RED ARROW INSECT SPRAY

Non-poisonous to man, child, bird or pet. Deadly to insects. Will not burn or blight the tenderest leaf or stain the most delicate blossom. Endorsed by State and U. S. Dept. of Agriculture Entomologists.

RED ARROW Insect Spray is especially recommended to keep insects and worms out of cucumber, cantaloupe and squash, and for lice on turnip and other plants. ½ lb. bottle \$1.50; by mail \$1.60.





Black Beauty Egg Plant

## EGG PLANT

**CULTURE**—Sow in February or March. When 2 inches high transplant in May to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

**Black Beauty** This is the earliest and best of all large-fruited Eggplants. Fruits are thick and of the most attractive form. The skin is a rich, lustrous purplish-black. Pkt. 5c; oz. 40c; ¼ lb. \$1.20; 1 lb. \$4.25; postpaid.

**Florida High Bush** Stands heat well; the fruit is round, smooth and very large; color bright purple. Pkt. 5c; oz. 50c; ¼ lb. \$1.25; 1 lb. \$4.50; postpaid.

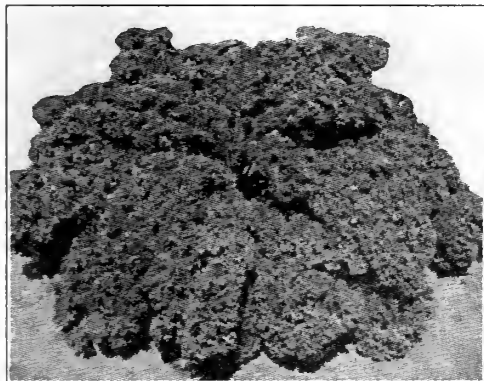
**New York Improved Purple** The old standard variety. Pkt. 5c; oz. 40c; ¼ lb. \$1.20; 1 lb. \$4.25; postpaid.

## EGG PLANTS

Variety: **Black Beauty**. Ready about April 20th. Postpaid, doz., 25c; 50, 75c; 100, \$1.25. Not prepaid, doz., 20c; 50, 60c; 100, \$1.00.

## HERB SEEDS

	Postpaid	
	Pkt.	Oz.
<b>BASIL, Sweet</b> —For flavoring soups.....	\$ .10	\$ .50
<b>DILL, Mammoth</b> —Used for flavoring pickle.....	.05	.15
<b>LAVERDER</b> —Used for its odor.....	.10	.80
<b>MARJORAM, Sweet</b> —Used in seasoning.....	.10	.40
<b>ROSEMARY</b> —For seasoning meats and soups.....	.10	.70
<b>SAVORY, Summer</b> —Used as a culinary herb.....	.10	.70
<b>SAGE, Broad Leaved</b> —A popular plant.....	.10	.50
<b>THYME</b> —Much used for seasoning.....	.10	.60



Dwarf Green Curled Kale

## KALE

**CULTURE**—Sow from 2 to 3 pounds to the acre, 1 ounce to 200 feet of drill. Sow in March or September in drills or broadcast.

**Dwarf Green Curled** Leaves curled. The best variety for fall sowing. Stands all winter. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 60c; postpaid.

**Tall Curled Scotch** A beautiful curled variety. Fine for spring planting. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 75c; postpaid.

## HORSERADISH ROOTS

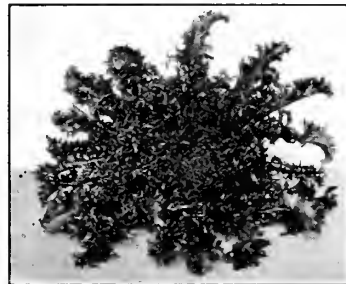
**Maliner Kren (Bohemian)** Large, strong cuttings, 40c per doz.; \$2.50 per 100; \$15.00 per 1,000. If wanted by mail, add 10c per 100 for postage.

## GARLIC

"Plant in spring or fall in rows, cultivate and harvest same as onions." ¼ lb. 20c; 1 lb. 45c; postpaid.

## ENDIVE

**CULTURE**—One ounce will sow 200 feet of drill. Sow about the middle of April, and for succession in June and July, 1 foot apart. When nearly full grown, and before they are fit for the table, they should be blanched by tying the leaves loosely together.



Green Curled Endive

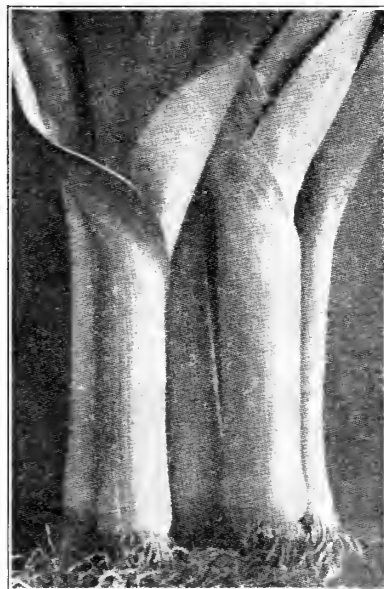
**Large Green Curled** The hardiest variety; beautifully curled. Pkt. 5c; oz. 20c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

**Broad-Leaved Batavian** (Escarolle)—Leaves long and broad, thick and succulent. One of the choicest salads. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50; postpaid.

## KOHL-RABI

Combines the flavors of the cabbage and turnip and makes a splendid dish if used when 2 to 3 inches thick. Sow in drills as early as the ground can be worked, thinning out to stand 5 to 6 inches in the row. For a succession, sow every two weeks till end of April. For fall use, plant in August or early September.

**Early White Vienna** This is the best and earliest variety for table use. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25; postpaid.



London Flag Leek

## LEEK

**CULTURE**—Superior to onions for soup flavoring, etc. Sow early in the spring in a light, rich, moist soil in drills half an inch deep. When 6 or 8 inches high, trim off the tops and roots and transplant 4 to 6 inches apart in 1-foot rows, setting the plants in the ground up to their center leaves, and earth up to blanch the necks. Sowings should also be made in September, and transplanted outside in the fall or early spring. One ounce will sow about 100 feet of drill.

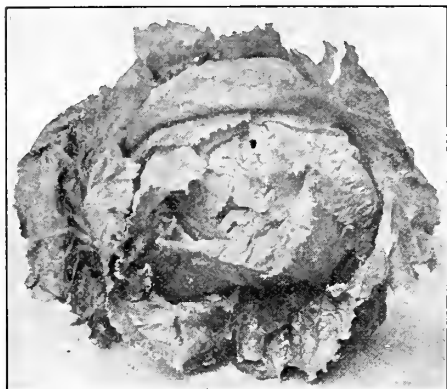
**Large London Flag**

Hardy, productive and of the best quality. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$1.50; postpaid.

## GOURDS

Plant in April, as soon as ground is warm. Prices postpaid.  
Dipper Gourd.....Packet 5c; oz. 20c  
Dish Rag Gourd.....Packet 5c; oz. 25c  
Hercules Club Gourd.....Packet 5c; oz. 25c  
Nest Egg Gourd.....Packet 5c; oz. 20c  
Orange Gourd.....Packet 5c; oz. 20c  
Sugar Trough Gourd.....Packet 5c; oz. 20c

# LETTUCE AND JAPANESE MUSTARD-SPINACH



New York or Wonderful Lettuce

**New York or Wonderful** A grand Head Lettuce sometimes called California and Los Angeles; furnishes fine, crisp lettuce during the hot summer months. This is one of the largest varieties grown, producing heads more than 15 inches in diameter and weighing more than 2 pounds each. The outer color is rich dark green, but the heart blanches beautifully and is crisp, tender and delicious. Pkt. 5c; oz. 25c; ¼ lb. 60c; 1 lb. \$1.50; postpaid.

**Chicken Lettuce** Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut, it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.40; postpaid.

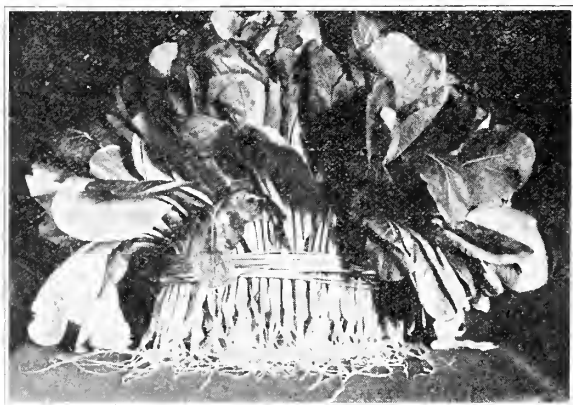
**Cos or Romaine** Forms large light green, well-folded heads of upright growth and popular for its crispness and mild flavor. Pkt. 5c; oz. 20c; ¼ lb. 45c; 1 lb. \$1.35; postpaid.

**Early Curled Simpson** Makes a curly loose head; crisp and tender. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

**Improved Hanson** Globe shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

**Large White Cabbage** Forms a compact head; has no core, but a tender, golden heart. As a shipper, it is unexcelled, commands the very best prices; demand always exceeds the supply. It resists the cold, withstands the summer heat, always has a crisp, mild flavor, when open it becomes a table ornament. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

**R.-H. Co.'s Imperial No. 2** The Largest Crown, the Best Heat Resister. 50 days. This grand lettuce is claimed to be without exception the very largest lettuce in cultivation. Notwithstanding its great size it is tender, sweet and crisp. It produces in 50 days a fine, large, solid head. It has great heat resisting qualities, being slow to run to seed, so that it is very reliable for a late crop when many other sorts are unfit for use. Pkt. 5c; oz. 25c; ¼ lb. 60c; 1 lb. \$1.75; postpaid.



Japanese Mustard-Spinach

## LETTUCE

**CULTURE**—One ounce will produce 3,000 plants. For early use sow under glass in January or early February, and transplant as soon as the ground can be nicely worked. Sowing may be made in the open ground from April to middle of August, every 2 or 3 weeks for succession.

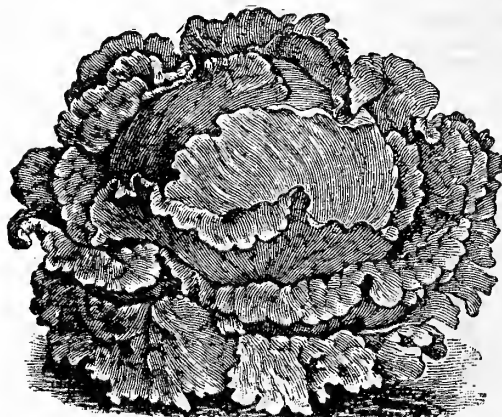
**Big Boston** A very popular variety for market gardeners. Our strain is very hardy, sure to head and produces solid heads of large size, often 10 to 12 inches across, which are slow to go to seed. The leaves are thin, hard and crisp, comparatively smooth but wavy at the edges, and are of bright light green color, slightly tinged with reddish-brown. The inner head blanches to an attractive greenish-white. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.25; postpaid.

**Black-Seeded Simpson** One of the best, either for forcing under glass or for open ground culture. It forms large, thin, loose leaves of light green color, very tender, crisp and of fine quality. A fine sort for summer, as it withstands the heat; also for home garden. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

**California Cream Butter** Dark green, round, thick leaves forming a very solid round head which stands a long time without running to seed. Outer leaves spotted brown, inner ones blanched to a rich yellow. Exceedingly rich, buttery, sweet and nutty in flavor. Pkt. 5c; oz. 25c; ¼ lb. 60c; 1 lb. \$1.50; postpaid.

**Mignonette** Small, solid beading; never fails. The flavor is fine and the leaves crisp. Pkt. 5c; oz. 25c; ¼ lb. 60c; 1 lb. \$1.50; postpaid.

**New Iceberg** Quick-growing and of exquisite flavor. The large curly leaves which cover the outside of the solid head are of bright, light green, with a slight reddish tinge on the edges. Pkt. 5c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.50; postpaid.



New Iceberg Lettuce

**Prizehead** Very popular, large, loose-heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

**Wayahead** A very early, firm heading sort, of fine appearance and quality. Outer leaves light green, under leaves are blanched to a buttery yellow tint. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

**White Boston** An improvement on Big Boston, having lighter green leaves with equally large solid head; the inner leaves blanch snow white and are crisp and tender. Pkt. 5c; oz. 25c; ¼ lb. 60c; 1 lb. \$1.50; postpaid.

**LETTUCE PLANTS**—Varieties: Big Boston and New York or Wonderful. Ready about March 1st. Postpaid, 50, 25c; 100, 45c. Not prepaid, 50, 20c; 100, 35c; 1,000, \$2.75.

## JAPANESE MUSTARD-SPINACH

Also known as Evergreen, etc. This delicious new vegetable green is a combination of mustard and spinach, having the flavor of mustard, turnip, kale and spinach. Japanese Mustard-Spinach has been thoroughly tested out and in our opinion it will prove a splendid acquisition to the family garden.

Plant in the spring or fall; sow thickly in three-foot rows at the rate of 5 to 6 pounds of seed to the acre. Japanese Mustard-Spinach is ready for the market in 22 to 24 days after planting. It is very easily grown; no real experience is necessary in sowing or marketing this new green. It's just good greens that anyone can grow and know you will like it. Pkt. 5c; oz. 15c; ¼ lb. 30c; ½ lb. 50c; 1 lb. 90c; postpaid.

# MUSK MELON OR CANTALOUPE

**CULTURE**—Plant in hills 5 feet apart in light, rich soil, well manured; 10 seeds to hill; thin to 4 plants. Cultivate well. Pinch off ends of vine as they begin to blossom, which will increase the yield. One ounce to 50 hills. For borers or worms, spray as soon as blossoms appear with Bordo Arsenate and add Blackleaf 40.



Lake Champlain Cantaloupe

**Lake Champlain** The flesh is a rich golden color, free from stringiness, fine-grained, melting, juicy, sweet delicious flavor clear to the rind. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; 1 lb. \$1.35; postpaid.

**Acme, or Baltimore** One of the best of cantaloupes for main crop. The flesh is thick, of a beautiful deep rich green. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00; postpaid.

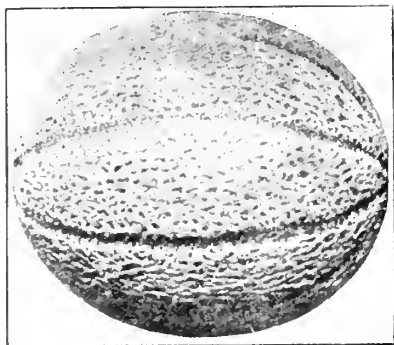
**Banana** Long shaped like a banana; has a most delicious flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.25; postpaid.

**Early Green Nutmeg** An early variety of medium to a small size; nutmeg in shape and thickly netted. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. 90c; postpaid.

**Emerald Gem** This is well named; it is really an emerald among the many varieties which are now cultivated; skin a dark green emerald color and quite smooth; flesh salmon and of sweet and delicious flavor. One of the best for the home garden. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.25; postpaid.

**Honey Ball** A little larger than Rocky Ford, is as round as a ball, has thick green flesh. Honey Ball is quite early, enormously productive, and has a flavor and sweetness which will add greatly to its popularity. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.75; postpaid.

**Honey Dew** A splendid variety; rind dull white when ripe. The flesh is a rich green, very sweet and delicious flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.25; postpaid.



Mammoth Rocky Ford

**Mammoth Rocky Ford** The general type of this Rocky Ford, but they grow somewhat larger in size, making it a splendid variety for market. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.15; postpaid.



Hale's Best Cantaloupe

**Hale's Best** Produces melons of uniform standard size, 90 per cent of which are completely covered with a beautiful gray, lace-like netting which, with the small seed cavity, are the most essential points in carrying and keeping qualities of the cantaloupe. The flesh is green, tinged with a delicate salmon-pink around the seed cavity, which is the smallest of any strain of Rocky Ford. The flesh is firm but not tough or stringy, and has a sweet, luscious, melting and superb flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00; postpaid.

**Hearts of Gold** Medium size, round, heavily netted; flesh very thick, of rich orange color, handsome appearance and of the sweetest flavor. Average size of melon 6 to 8 inches in diameter. Matures in 75 days. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00; postpaid.

## Osage, or Miller's Cream

A medium to large-sized, salmon fleshed melon of excellent quality. The fruits are oval, dark green in color, slightly ribbed and partly covered with shallow gray netting. The flesh is salmon colored, fine-grained and highly flavored. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.25; postpaid.



Pink Meat Rocky Ford

## Pink Meat Rocky Ford

This is an early melon of the solid netted type that is so desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon tint. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00; postpaid.

**Rocky Ford** One of the most popular. Flesh is green, thick and lusciously sweet. It is netted and ribbed and ripens early. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. 90c; postpaid.

**Superfecto Cantaloupe** This new melon of the Rocky Ford type is the sweetest and most luscious of the salmon flesh varieties. It has deep yellow flesh which is soft and exceedingly sweet. Don't fail to plant this new variety. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; 1 lb. \$1.35; postpaid.

**Tip Top** Nearly round, deeply ribbed, moderately netted; flesh is bright salmon, thick and sweet. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.15; postpaid.

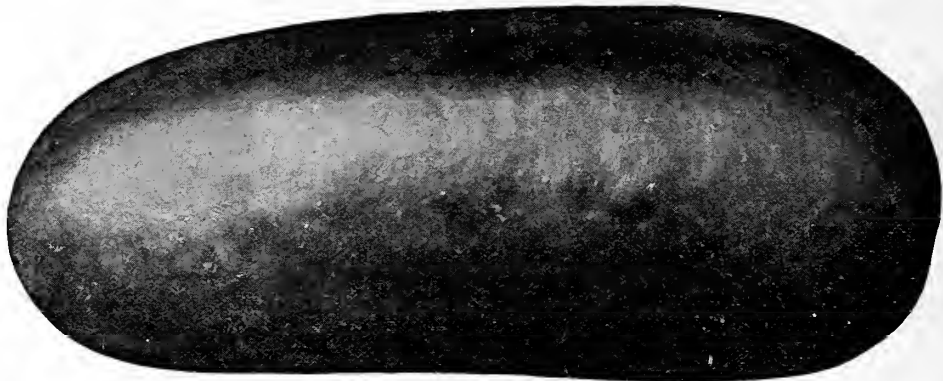
## MELON PESTS

When planting cantaloupes and cucumbers, put in between the hills Yell. Sum. Crookneck Squash. The insects prefer the squash to the melon. Make two plantings of the squash, so the blossoms and young fruits attract the butterfly that lays the eggs, and the worm will destroy the squash crop, leaving the melons and cucumbers unmolested. Burn the squash plants while the worm is doing the damage.

Spray Cantaloupes and Cucumbers—use Shep's or Evergreen Spray to keep down Harlequin bugs, aphids and other pests.

# R.-H. Co.'s SOUTHERN GROWN WATERMELONS

**CULTURE**—One ounce to forty hills; 3 or 4 pounds to the acre. Drop seed in well manured hills 6 to 8 feet apart, 6 to 10 seeds, one inch deep, and thin to three best plants. Generally about the middle of April is the proper time to plant melons in this section.



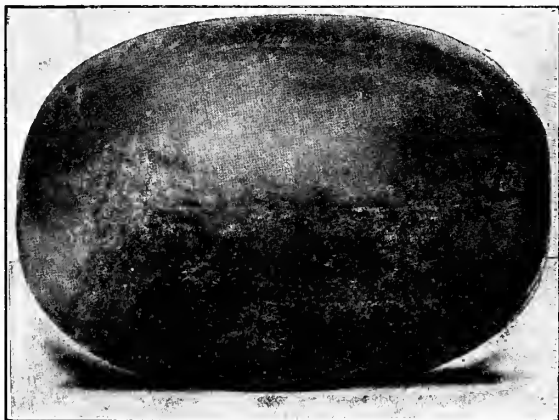
New Wonder Watermelon

**New Wonder** A variety which has become one of the favorites. No watermelon has received more praise in the short time of its existence, and justly so, for its is one of the finest flavored melons raised. It is also very productive, grows great quantities of big, fine, dark glossy green melons, fully as good eating quality as any melon. The rind is rather thin but reasonably tough to insure good carrying for short hauls, and any market that receives this melon will sell to good advantage. Grows long and thick, seeds white, flesh red and juicy sweet. We can unreservedly recommend this melon for the market gardeners and large truckers. It will please and satisfy those who like good melons. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00; postpaid.

**Special New Wonder** This is an extra fine strain of this phenomenal watermelon which we have selected for our customers who want the very best melon to be had. All seed carefully selected from the finest and largest melons of this well liked variety. Melons from this selection will command a premium. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.75; postpaid.

**Angel's Kiss** A Delicious Watermelon. Angel's Kiss is a handsome melon of large oblong shape. The flesh is a bright red, solid, firm and of melting flavor. The vine is a remarkably strong, vigorous grower and a heavy bearer of large silvery-gray melons with very tough thin rind. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. 90c; postpaid.

**Special Angel Kiss** A carefully selected strain which we have selected for our own customers who want the best to be had in this well known and desirable variety. The seed saved only from melons true to type and of the largest and finest quality. Seed of this strain are more than worth the small difference in price charged. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.75; postpaid.



R.-H. Co.'s Big Boy Watermelon

**R.-H. Co.'s Big Boy** In size, the biggest that grows. Melons average 60 pounds. Some weigh 100 pounds. Oval in shape, dark mottled-green rind with dark red flesh that is very sweet. Pkt. 10c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.00; postpaid.

**Special R.-H. Co.'s Big Boy** A selected stock of this extra fine melon that makes the Big Boy still more desirable. All seed of this strain from the largest and choicest melons. Give it a trial and you will be well repaid for the slight extra cost of the seed stock. Pkt. 15c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$2.75; postpaid.

**Black Diamond** Immense in size, and grows to average 70 to 90 pounds; rich dark green, uniform, round to oval shape; flesh deep red, of fine quality. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1 lb. 80c; postpaid.

**Excel** The Excel is a large, long green Melon, often weighing 50 to 60 pounds, a fine shipping variety; flesh deep red and ripened well out to the rind. Color of rind deep green and occasionally deep green stripes. The meat is very sweet and free from hard centers. This wonderful melon is favored by buyers, especially those demanding large sizes. Our seed stock is extra fine and reasonably priced. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00; postpaid.

**Florida Favorite** Oblong in shape, growing to a very large size; rind dark green, striped with lighter; highly prized on account of its delicious flavor; seed light color. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1 lb. 80c; postpaid.

**Georgia Rattlesnake** One of the largest and best known watermelons cultivated in the South. The fruits are very long, of a light green color, distinctly blotched and striped with a darker shade. The flesh is bright scarlet, fairly tender and sweet. A second early variety suitable for both shipping and home use. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1 lb. 80c; postpaid.

**Special Georgia Rattlesnake** This is extra selected stock from our grower. Saved only from the very best melons; uniform in size and color. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50; postpaid.



Special Irish Gray Watermelon

**Irish Gray** In sweetness it is like Kleckley's Sweets; in shipping quality, uniformity in shape, size and in productiveness it compares with Tom Watson. The thin rind is so tough it will not burst from rough treatment in transit; its keeping quality will appeal to shippers who have experienced losses on account of glutted markets. The color is a distinct mottled greenish-gray; the flesh is red, sweet, crisp and free from stringiness. Although a grand shipper, it is equally fine for the home garden. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00; postpaid.

**Special Irish Gray** This is another one of our special strains which we have selected for our customers who want extra quality in this well known and popular variety. This is another melon which has been a big seller for the past several seasons. Only those seeds from choicest melons are saved to be used for this variety of watermelon. The biggest booster of this variety is the person who has once planted them. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50; postpaid.



# R.-H.Co.'s SOUTHERN GROWN WATERMELONS

## Kleckley Sweet

Immensely popular because of its superb flavor and surpassing crispness; is not recommended for shipping, but for nearby markets and for home consumption it has no superior. This melon has a rich, mellow taste that has made it one of the greatest watermelons for table use. It is not overly large, but is medium in size, oval shaped, with an average length of about 18 to 20 inches. It is mottled green on the outside, with the flesh a bright red and of extremely fine quality. The seeds of this melon are white and grow close to the rind, outside of the big, bright scarlet heart. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00; postpaid.



Kleckley Sweet Watermelon

## Special Kleckley Sweet

This is an extra selected stock of this splendid, well-known and popular melon. Seed is saved only from specimen melons as nearly uniform as possible. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50; postpaid.

## Red Seeded Citron

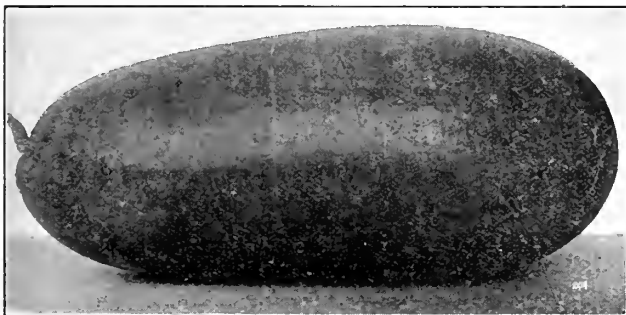
Very productive; rich quality; makes beautiful, nearly transparent preserves of unsurpassed flavor. Superior to the ordinary preserving citron in quality. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lbs. 40c; 1 lb. \$1.25; postpaid.

## Schlochler

A Southern melon of recent introduction; grows to very large size; one of the biggest melons. They will average 40 pounds each. The fruit is very dark green with an indistinct stripe and is very uniform in shape. Flesh bright red, sweet and crisp. The grower claims the Schlochler melon will stand more drought than any other melon and is a sure producer. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50; postpaid.

## Special Schlochler

A selected stock of this excellent variety. The seed is taken only from the most uniform and largest specimen fruits. Special care is used in making this stock of Schlochler very superior. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.25; postpaid.



Ribault Watermelon

## Ribault

Is long and thick in shape, measuring 24 to 30 inches long by 16 to 20 inches in diameter. The rind is dark green, indistinctly striped with mingled lighter green. The young melons will show stripes, but as they develop and ripen the stripes fade away, leaving a dark glossy green color. The rind is medium thick and will stand rough usage during shipping; under ordinary handling the rind will not break. The meat is red and sweet and free from hard centers. It grows remarkably large, and is very prolific; not unusual to grow 600 melons per acre, weighing 40 pounds each. This new watermelon will make increased profits for the grower and at the same time meet with favor with the buyers, especially those demanding big sizes. You will make no mistake to plant this remarkable watermelon. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.25; postpaid.

## Tom Watson

The most popular shipping melon grown. The melons are large, long and dark green, like the Kleckley's Sweet, but larger and has a tougher rind, giving it exceptionally fine shipping qualities. The flesh is rich red, solid, sweet and luscious and ripens close up to the rind. Although a shipping melon, its fine quality commends it to the home gardener. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; 1 lb. 80c; postpaid.

## Special Tom Watson

These are from our grower, who has selected only the choicest and largest melons. If you want something extra good, try this special strain. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50; postpaid.

## Halbert Honey

Halbert Honey is one of the sweetest of all watermelons. The fruits are of handsome appearance and regular in form. They are long, measuring 18 to 20 inches in length, and from 6 to 8 inches in diameter. The color of the skin is a deep green, showing fine veins. The melons weigh about 35 pounds each. The flesh is a beautiful crimson color and the rind is very thin. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00; postpaid.

## Special Halbert Honey

This seed is saved by special selection for size, type and purity. Nothing is left undone to make this special strain of Halbert Honey better in every way, as you know like produces like. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50; postpaid.

## Thurmond Grey Watermelon

A remarkable new delicious melon, a big money-maker and supreme satisfaction to all who grow it. The flesh is bright sparkling red, the flavor is deliciously sweet and satisfying. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 85c; postpaid.



Stone Mountain Watermelon

## Stone Mountain

Is very popular in the South. It is one of the best among the round watermelons, and has attained the leadership among these sorts. It is very sweet, grows large and is almost round in shape. The picture above is a fair representative of the fruit. The rind is mingled dark green, medium card, the flesh is red. Under normal conditions this variety will produce melons weighing over 50 pounds, and will command highest price on any market where quality is first consideration. Every melon grower should give this variety a try-out, whether you like a round melon or not; when you have tasted the delicious flavor and sweetness of the melon, you will forget the shape; the real value of the melon is on the inside. It is very prolific and has very few seeds, which are white with black border. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.25; postpaid.

## Special Stone Mountain

A selected stock of this most excellent melon, that will make still better and larger melons. All seed is saved from only the most perfect specimens, and you know what that means. Why not grow some real Stone Mountains? Order some of this special stock. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.25; postpaid.

## Top Notch Watermelon Collection

1 pkt. Special R.-H. Co.'s Big Boy.....	\$ .15
1 pkt. Special Halbert Honey.....	.10
1 pkt. Special Kleckley's Sweet.....	.10
1 pkt. Special Irish Grey.....	.10
1 pkt. Special Schlochler.....	.10
1 pkt. Special Stone Mountain.....	.10
1 pkt. Special Georgia Rattlesnake.....	.10
1 pkt. Special New Wonder.....	.10

Retail.....\$ .85

Specially offered for 60c Postpaid

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



# MUSTARD - OKRA - ONIONS

## MUSTARD

## OKRA

**CULTURE**—Sow from February to April or September and October; broadcast or in drills, six inches apart. Cut when about three inches high. One ounce seed to 80 feet drilled; six pounds to acre broadcast.

**CULTURE**—One ounce will plant 100 hills. Sow about the first of May, in drills 3 feet apart, and thin out the plan's to one foot apart. Soak seed in water 12 hours—they germinate easier.



Southern Giant Curled Mustard

**Chinese Mammoth** An excellent sort with very large, light green, plain smooth leaves. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 45c; postpaid.

**Elephant Ear** Leaves smooth, broad and tender at all times. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.

**Florida Broad Leaf** Produces large, light green, broad, smooth leaves well above the ground. Plants grow quickly; upright when young, and spread out with age. More easily prepared for the table than the curled sorts. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 60c; postpaid.

**Long Standing Giant Curled** Will not go to seed as quick as the ordinary variety; very beautiful, curled tender leaves. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.

**Southern Giant Curled** Leaves are large, light green, much crimped and frilled at the edges. Pkt. 5c; oz. 10c; ¼ lb. 15c; 1 lb. 45c; postpaid.

**Ostrich Plume** Leaves dark green, which curve outward like a fine ostrich plums. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.

**Large Smooth Leaved** An excellent sort with very large, light green, plain or comparatively smooth leaves, borne well above the ground. The plant is of very quick growth, fairly upright when young, becoming somewhat spreading at maturity. This sort is preferred by many, as it is more easily prepared for the table than the rougher leaved varieties. Pkt. 5c; oz. 15c; ½ lb. 25c; 1 lb. 60c; postpaid.



White Velvet Okra

**White Velvet Okra** Very productive, producing round, smooth, white pods. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 45c; postpaid.

## ONION SEED

**CULTURE**—Sow in January or February in hotbeds. Transplant to 12-inch rows, five inches apart. Sow outdoors in rows in March.

**Large Red Globe** Medium early or main crop red variety produces bulbs of medium to large size, ideally globe shaped, with very smooth, glossy surface, very small neck and remarkably beautiful deep purplish red color. The flesh is white, tinged with light purple, mild, very fine grained and tender. The variety is extensively grown for home use as well as the market. One of the best keepers and is well adapted for shipping. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.60; postpaid.

**Large Red Wethersfield** Medium early; skin is purplish-red. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50; postpaid.

**Prizetaker** Very large and solid; skin rich yellow. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$1.75; postpaid.

**Southport White Globe** Handsome globe-shaped bulbs. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25; postpaid.

**Sweet Spanish** Very mild in flavor; large bright yellow. Pkt. 5c; oz. 20c; ¼ lb. 70c; 1 lb. \$2.00; postpaid.

**White Silver Skin** Pure white; mild flavor. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25; postpaid.



Large Red Globe Onion

**Yellow Globe Danvers** Globe shaped; large. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50; postpaid.

**Yellow Or Straw Colored Bermuda** Light yellow or straw color; very sweet and mild. (Tenerife grown.) Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25; postpaid.

**Crystal White Wax** This is the pure White Bermuda Onion. Pkt. 10c; oz. 35c; ¼ lb. \$1.25; 1 lb. \$4.25; postpaid.

**Early Dwarf Green** Very early; pods green and tender. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.

**Kleckley's Favorite** Produces long, tender, smooth pods, which are round; light green in color. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c; postpaid.

**Tall or Long Green** Long ribbed pods; very productive. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.

## ONION SETS

Prices are subject to market fluctuations. When you want large quantities ask for market prices. Thirty-two pounds constitute a bushel.

**CULTURE**—Plant four to six inches apart in 12 to 24-inch rows. Plant in spring or fall in fine rich soil, well manured.

**Red Wethersfield** Postpaid, qt. 20c; gal. 60c; Not prepaid, qt. 15c; gal. 50c.

**Yellow Danvers** Postpaid, qt. 20c; gal. 60c; Not prepaid, qt. 15c; gal. 50c.

**White or Silver Skin** Postpaid, qt. 25c; gal. 75c. Not prepaid, qt. 20c; gal. 60c.

**White Multiplier** Postpaid, qt. 25c; gal. 90c. Not prepaid, qt. 20c; gal. 75c.

## BERMUDA ONION PLANTS

Bermuda Onion Plants will produce delicious young Onions for table use during the late spring and early summer. They can be set out at the same time you would plant Onion sets or Cabbage plants. Plant in rows about 15 inches apart, and three to four inches in the rows.

**Crystal White Wax Bermuda** Absolutely pure white Bermuda Onion with a most beautiful waxy appearance.

Price, shipped from Memphis, postpaid: 100, 30c; 500, 90c; 1,000, \$1.50. Not prepaid, 100, 20c; 500, 75c; 1,000, \$1.25; per crate, 6,000 plants, \$4.75.

Price, f. o. b. growing station, per crate, 6,000 plants, \$4.25.

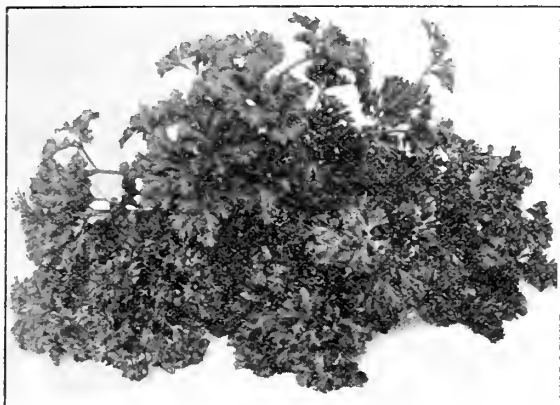
**Yellow Bermuda** The most popular of Bermuda varieties. The bulbs are light straw-colored.

Price, shipped from Memphis, postpaid: 100, 25c; 500, 75c; 1,000, \$1.25. Not prepaid, 100, 15c; 500, 60c; 1,000, \$1.00. Per crate, 6,000 plants, \$4.50.

Price, f. o. b. growing station, per crate, 6,000 plants, \$4.00.

Large quantities quoted at special low prices. Write us.

## PARSLEY-PARSNIP-PEPPER



Double Curled Parsley

### PARSLEY

**CULTURE**—Soak seed in water for a few hours and sow in rich soil early in Spring in rows a foot apart and cover lightly. Parsley is slow to germinate and is sometimes 3 or 4 weeks in coming up. One ounce will sow 150 feet of drill. Sow in March and April, also in September.

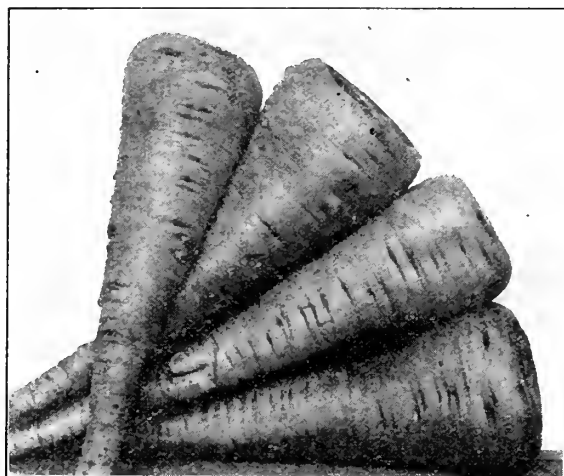
**Champion Moss Curled** A vigorous, compact sort, very fine for garnishing and flavoring. Densely crimped and curled. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1 lb. 85c; postpaid.

**Double Curled** A standard variety having deeply cut and beautifully curled leaves. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1 lb. 85c; postpaid.

**Plain, or Single** Leaves are flat, deeply cut, and dark green. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. \$1.00; postpaid.

### PARSNIPS

**CULTURE**—Sow the seed in early spring, three-fourths of an inch deep, in rows 12 to 18 inches apart and when 3 inches high thin to 6 inches apart in the row. One ounce of seed for 100 feet of row; 5 pounds of seed required for an acre.



Sugar, or Hollow Crown Parsnip

### PEPPERS

**CULTURE**—One ounce will produce about 1,000 plants. For early plants sow in hotbeds the latter part of January, and transplant to open after all danger of frost is over, in rows 3 feet apart, 15 to 18 inches apart in the rows.

**Bell, or Bull Nose** A large early sort of mild flavor. Fruits are large. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50; postpaid.

**Bird's-Eye or Creole** Very hot; used for pepper vinegar. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.25; 1 lb. \$4.25; postpaid.

**Crimson Giant** Very large Sweet Pepper. It is a strong grower and much more productive than the Chinese Giant. Matures early. The flesh is thick, very mild and sweet. Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.75; postpaid.

**Chinese Giant** This variety is one of the largest and finest Peppers. The plant is about two feet high, of strong vigorous growth, stocky and erect in habit, is quite square, average 4 inches in diameter, and is of a bright, glossy-scarlet when ripe. The flesh is unusually thick and very mild. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.50; 1 lb. \$4.50; postpaid.

**Ruby Giant** Similar to Ruby King, the fruit growing somewhat larger and are a little broader at the base. Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.25; postpaid.

**Tabasco** This variety is used in manufacturing the well-known Tabasco Sauce. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.50; 1 lb. \$4.25; postpaid.



California Wonder Pepper

**California Wonder** A giant-podded sweet Pepper, maturing very early, similar in shape to Bull Nose, but much larger and flesh thicker, deep green when young and a rich red when ripe; flavor mild. One of the best sorts for salad and large mangoes. Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.10; 1 lb. \$4.00; postpaid.

**World Beater** Said to be a cross between Ruby King and Chinese Giant. The shape is like Ruby King, only the blossom end is broader, and the size nearly equal to Chinese Giant. Vigorous grower and very prolific. The fruit is a beautiful scarlet in color and exceedingly mild. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.25; postpaid.

**Long Red Cayenne** A well known medium early variety, with extremely strong and pungent flesh. Bears long slender twisted pods, bright red when ripe. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.75; postpaid.

**Ruby King** A fine variety, very large and attractive. Fruits are 4 to 5 inches long, bright red when ripe. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 70c; 1 lb. \$2.25; postpaid.

**Pimento** The sweetest Pepper grown, does not contain the slightest trace of fieriness. The plants are extremely productive, and Peppers are medium in size and of a shape which is desirable for filling. When fully ripe the Peppers are of brilliant red color and very attractive. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 70c; 1 lb. \$2.25; postpaid.

**Red Chili** Small red, conical pods, hot and prolific. Pkt. 10c; oz. 40c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.75; postpaid.

### PEPPER PLANTS

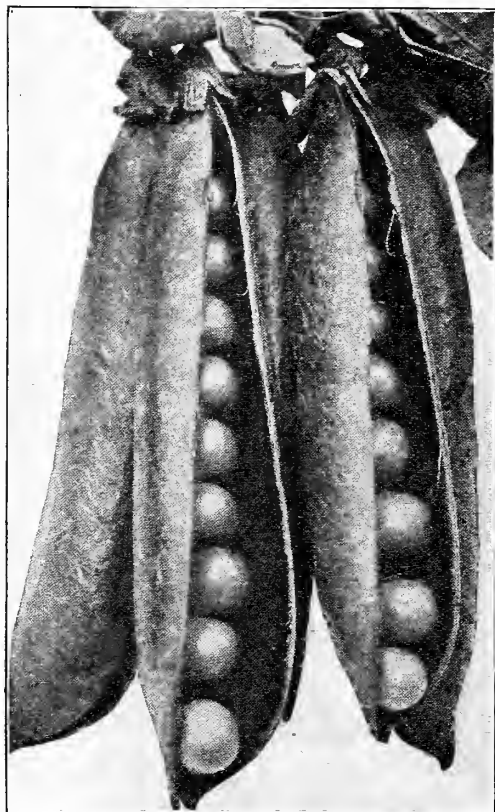
Varieties: Chinese Giant, California Wonder and Long Red Cayenne. Ready about April 20th. Postpaid, doz. 25c; 50 75c; 100 \$1.25. Not prepaid, doz. 20c; 50 60c; 100 \$1.00.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

# RUSSELL-HECKLE'S GARDEN PEAS



**CULTURE**—The pea is hardy and endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later. Sow Peas in drills about 2 to 3 inches deep, in rows 2½ to 3½ feet apart. One quart will sow 100 feet of drill. All wrinkled varieties are marked (\*). These should not be planted until March.



Laxtonian Peas

**Laxtonian\*** Eighteen inches. The largest-podded of the dwarf wrinkle Peas. A splendid new variety, becoming a favorite with those who grow for the market or for the home garden. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

**McLean Little Gem\*** Hardy, prolific, uniform in habit of growth. Pods medium size and well filled. Medium early. Height, 18 inches. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

**Nott's Excelsior\*** A medium early wrinkled sort of dwarf habit. Height, 14 inches. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

**Russell-Heckle's First of All** The First of All is fully as early and much larger and more prolific than the best strains of First and Best. The pods are 3½ to 4 inches long and borne in pairs. Vines grow two feet in height. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

**Telephone\*** The vines are tall, about four feet high, producing an abundance of pointed pods of largest size, often four and one-half to five inches long, filled with very large peas, which are tender and sweet. Postpaid, ½ pt. 20c; pt. 30c; qt. 55c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 45c.

**Thomas Laxton\*** Large-podded, extra early Pea. In earliness the Thomas Laxton is only two or three days behind the Alaska, but the pods are very much larger, containing on the average seven or eight large, sweet, wrinkled Peas of the very richest flavor. The vines attain a height of from three to three and one-half feet. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

**World's Record\*** One of the very finest of the large-podded, dwarf Peas, though somewhat earlier. Height, 15 inches. Vine and foliage stout, heavy and dark green; pods 3¾ inches long, containing 6 to 8 large, dark green peas of superb quality. Postpaid, ½ pt. 20c; pt. 30c; qt. 50c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 40c.

**Alderman\*** Giant podded, large Peas of superior quality, main crop or late sort. Seventy days. A large main crop Pea, producing in 70 days long, straight, dark green pods 5 to 6 inches long, well filled with large peas of excellent flavor. The vines grow nearly 5 feet high, vigorous and exceedingly productive. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

**American Wonder\*** A dwarf, early wrinkled sort; pods short but well filled; quality excellent. Height, one foot. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

**Bliss Everbearing\*** A good variety that continues in bearing a long time. Height, three feet. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

**Champion of England\*** It grows 4 to 5 feet high and requires support, and large crop production more than repays any extra labor required. Postpaid, ½ pt. 20c; pt. 30c; qt. 50c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 40c.

**Dwarf Telephone** Dwarf Vines, Large Green Pods. A Heavy Cropper, 65 Days. Dwarf Telephone produces vines two feet high and are very productive. The green pods measure 5 inches in length, containing 10 large, luscious peas which fairly melt in your mouth, maturing in 65 days. A desirable home garden sort; requires no brush. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

**Early Alaska** Matures in 50 days. This is an extra early pea, blue in color, earlier by a few days than any other kind; very fine and prolific; the best flavored Pea among the extra early smooth-podded kinds. Postpaid, ½ pt. 20c; pt. 30c; qt. 50c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 40c.

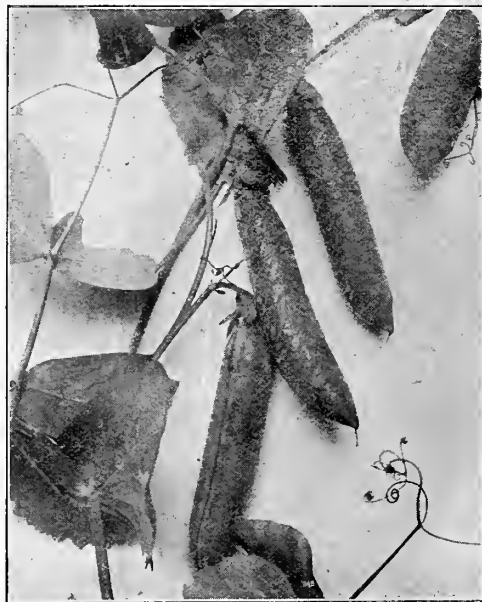
**First and Best Extra Early** The best of the white-seeded, extra early sorts. Height, two and a half feet. Postpaid, ½ pt. 20c; pt. 30c; qt. 50c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 40c.

**Gradus or Prosperity\*** Ripens early; vines about three feet high; bears profusely. The pods almost as large as those of Telephone. Postpaid, ½ pt. 20c; pt. 35c; qt. 60c. Not prepaid, ½ pt. 15c; pt. 30c; qt. 50c.

**Large White Marrowfat** Height, five feet. Vines and foliage stout, deep green. Postpaid, ½ pt. 20c; pt. 30c; qt. 45c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 35c.

**Laxton's Progress\*** The earliest large podded dwarf wrinkled Pea, an improvement on Laxtonian and four days earlier. Pods are 4 inches long, broad and pointed, deep green in color, containing eight large deep green peas, which are of the most delicious flavor. Postpaid, ½ pt. 20c; pt. 30c; qt. 50c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 40c.

**Little Marvel\*** This Pea has been rightly named. It is an early wrinkled Pea, grows about 12 to 15 inches tall, and bears heavily. There is no earlier wrinkled Pea and the quality satisfies everybody. Pods dark green, 3 inches long, round with square end and often contain seven rich, dark green Peas. Postpaid, ½ pt. 20c; pt. 30c; qt. 50c. Not prepaid, ½ pt. 15c; pt. 25c; qt. 40c.



R.-H. Co.'s First of All

# IRISH POTATOES-SWEET POTATOES



Early Red Triumph

**Certified Seed Sweet Potatoes** Plant only disease-free seed Sweet Potatoes and Sweet Potato Slips. They mean better quality and better crops. We ship only State Certified seed stock. Can furnish following varieties:

**Certified Nancy Hall**—Skin yellow, meat sweet, of clear amber yellow. Prices on request.

**Certified Porto Rico Yams**—Deep orange meat, soft, sweet and of best flavor; skin golden color with slight purplish tinge. Prices on request.

**Certified Sweet Potato Slips** **Certified Nancy Hall** Slips.

**Certified Porto Rico Slips.**  
Postpaid, 500, \$2.00; 1,000, \$3.25. Not prepaid, 500, \$1.75; 1,000, \$2.75; 5,000, \$12.50. Prices subject to market changes.

## IRISH POTATOES

**CULTURE**—Will mature in 70 to 90 days, according to the variety. Cut two eyes, drop them every 15 inches, and make rows 3 feet apart; cover eyes 2 inches; plant in February, March and April for early crops. On account of market fluctuations, we are unable to name exact prices. Will be pleased to have you write during the month of February or later. Will then quote prices for prompt or future shipments. All prices quoted are F. O. B. Memphis.

**State Certified Seed Potatoes** They cost more, but they are well worth the difference. We handle the genuine State Certified Seed Potatoes, tagged and inspected according to state and government inspection requirements. Don't be misled and buy or plant just field inspected potatoes—see that the tag reads, "State Certified." You want the best. Send us your orders for the genuine State Certified Seed Irish Potatoes and get them right.

**Certified Irish Cobbler Potatoes** A popular, early white potato of fine quality. Very productive. We have State Certified Seed of this splendid variety.

**Certified Red Triumph** You can depend on our stock of Bliss Red Triumphs. They are smooth, sound and free from diseases and true to type, so tagged and certified by the state which produces them. Remember, only State Certified Seed Potatoes can be shipped into Mississippi and other states.

**State Certified Seed Potato Prices** You want the best. Then plant only State Certified Seed Irish Potatoes. Government records show state certified seed increases the yield 50 to 60 per cent. They cost a little more, but in the end they are the cheapest. Why? Because you get a better stand and a better crop. We also advise you to use Semesan Bel on them before you plant.

Quotations on State Certified Seed Potatoes given on Green Ink List enclosed

**Larger Yield of Cleaner Potatoes** Seed treated with Semesan Bel produces larger yields because of better stand, cleaner and better potatoes, and can be planted sooner.

One pound treats 15 to 20 bushels of cut seed potatoes.

4 oz. pkg. 50c; 1 lb. pkg. \$1.75; 5 lb. tin \$8.00. Cannot be mailed.

**Cold Storage Potatoes** We will have Lookout Mountain, Red Triumph, McCormick and Irish Cobbler Seed Potatoes in cold storage for late planting, in July and August. Write for prices in June and July.

## PUMPKIN

**CULTURE**—They may be grown as a field crop. Plant in hills 8 feet apart each way, and any time after the first of May. Avoid planting near other vine crops, as they will hybridize and damage that crop. One ounce will plant about 25 hills, 4 pounds to the acre.

**Japanese Pie** Is something like the Green Striped Cushaw, but the neck is not curved. The skin is somewhat darker, being alternately striped light and dark green. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00; postpaid.

**King of the Mammoth** A large stock feed pumpkin, practically round, weighing from 60 to 100 pounds. The skin is a dull salmon color and frequently netted. The flesh is a bright yellow and rather coarse. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25; postpaid.

**Small Sugar** The finest of all varieties of pie pumpkin for canning. The flesh is quite deep, fine grained, dry, sweet, and yellow in color. Fruits weigh about 5 to 8 pounds, are round with flat ends, and ribbed. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00; postpaid.

**Striped Cushaw** One of the finest flavored pie pumpkins and large enough to be used for stock feed. The neck is curved quite thick and solid. The blossom end is large and round. The size is about 16 by 10 inches, often running larger; the skin is smooth, white with green stripes. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00; postpaid.

**Tennessee Sweet Potato** Fruits are pear shaped, of medium size, creamy white, with light green stripes and fine-grained brittle flesh. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00; postpaid.

## SUMMER SEED POTATOES

**The McCormick** The best of all varieties for late or fall crop. We have been fortunate to again secure some of this very wonderful potato. It is superior in every way to the Lookout Mountain, being of superior quality, smoother and more productive. It seldom fails. The oval tubers are smooth, white, with slight pink eye, cooks mealy and dry and is of fine flavor. Don't fail to get your requirements of Cold Storage McCormick Potatoes. Prices made in June.

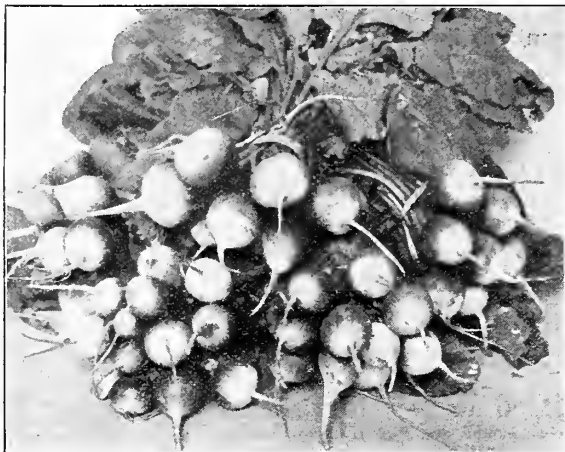


Kentucky Yellow Field

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



# RADISH SEED - RHUBARB ROOTS AND SEEDS



Cooper's Sparkler Radish

**RADISH CULTURE**—To be tender and crisp, radishes must be grown quickly, and this requires rich soil and moisture. Begin as early as possible in the spring and sow at intervals of about 10 days in a light, rich, deeply worked soil. For fall and winter, sow in August and September. One ounce sows 50 feet in drills; 10 to 12 lbs. to the acre.

**Cooper's Sparkler** This radish is an improved type of the Scarlet Turnip White Tip and is superior to the original. The top half is beautiful scarlet; the bottom half clear white. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.

**Early Scarlet Turnip** A very early, small, round radish; entire radish is of a rich scarlet color. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.

**Early Long Scarlet Short Top** Early, very short top; splendid shape and color. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 60c; postpaid.

**Early White Turnip** Both skin and flesh of pure white. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 60c; postpaid.

**Early Scarlet Turnip White Tip** Market gardeners' favorite radish for outdoor planting. Turnip-shaped; handsome scarlet in color, with a distinct white tip. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.

**French Breakfast** A very popular French variety of very rapid growth; color, scarlet, tipped with white, and small in size. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.

**R.-H. Co.'s Perfection White Tip Radish** The most attractive bunching radish on the market—the best strain of Scarlet Turnip White Tip Radish, with the white tip well developed, covering the lower half of the radish. Extra early; crisp and tender. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 60c; postpaid.

**Icicle** Long, slender, pure white, the earliest and finest long, white radish. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 60c; postpaid.

**Chartier** A large, handsome and crisp sort. One of the best long radishes for general planting. Matures in about 35 days, and continues hard and crisp. Red above and shading to clear white at the tip. Large, but both brittle and tender. Widely popular and desirable. The best long red radish for summer planting. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.

**Long Black Spanish Winter** Grayish black in color; pungent, exceedingly crisp. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c; postpaid.

**Scarlet Button** From the time of seed sowing to the table in 20 days. The quickest growing radish of all. These radishes are perfectly round, of attractive bright red color, and have only a very few short leaves. The quality is all that could be desired; flesh white, very firm, crisp and mild. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c; postpaid.

**Early Scarlet Globe** The roots of this variety are slightly olive shaped and are a rich, bright scarlet in color. The flesh is white and tender. The roots are fit to pull as early as Scarlet Turnip, but are larger when matured. We specially recommend this to gardeners as a large, first early forcing radish. It is also desirable for first early planting outdoors for the home garden and market. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 55c; postpaid.

**Scarlet Gem** One of the earliest. It is perfectly globular, rich brilliant scarlet at top, blending into pure white at bottom; tender and crisp. The greenhouse strain of Cooper's Sparkler. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c; postpaid.

**China Rose Winter** One of the very best for fall and winter use; bright rose color; flesh white and firm; superior quality. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c; postpaid.

**White Chinese** This is the Mammoth and finest of the Chinese varieties; they grow to a very large size, from 12 to 15 inches long and 5 inches in diameter, and mostly above ground; the roots are shaded by its heavy foliage, and are always crisp and mild. A very desirable variety for fall and winter. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 75c; postpaid.

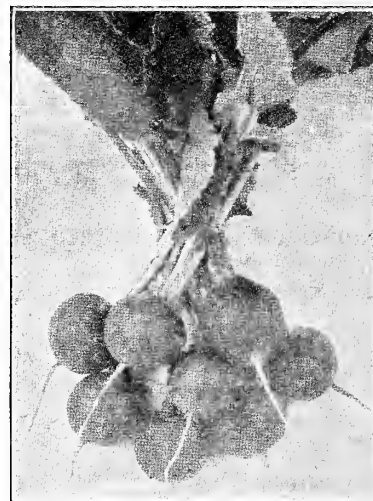
**Mixed Radishes** A general mixture of all varieties, giving you radishes for the whole season at one planting. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c; postpaid.

## Garden Trowels

No. 85—6-inch Galvanized Iron.....Each, 10c  
No. 80—6-inch Iron.....Each, 20c  
No. 81—6-inch Transplanting.....Each, 25c  
No. T-15—6-inch Long Handle.....Each, 50c  
No. 183—Trowel Set, 3 pieces, set.....Each, 60c



China Rose Winter



Early Scarlet Globe



Rhubarb

## Rhubarb or Pie Plant

**CULTURE**—Plant in the early spring or fall in deep-worked soil, 4 feet apart each way. Mulch freely with manure or coarse litter. After stalks are well rooted and have grown freely, they may be used, and with care will last for years. Pkt. 5c; oz. 25c; ¼ lb. 60c; 1 lb. \$1.50; postpaid.

## Rhubarb Roots

Strong 2-year-old roots: Each, 30c; 6, \$1.40; 12, \$2.35; postpaid. One-year roots: Each, 15c; 6 for 75c; doz., \$1.25; postpaid. Not prepaid, 2-year roots: Each, 25c; 6 for \$1.25; doz., \$2.00. One-year roots: Each, 10c; 6 for 60c; doz., \$1.00.

## PEERLESS PLANT LABELS

For marking plants in rows. Indestructible. Marks them plain, and they stay marked. Doz. \$1.00; 100, \$7.50.



## SPINACH

**CULTURE**—Requiring but little culture, it is one of the most easily managed of all vegetables. The main crop is sown from September until November. For summer use it may be sown at intervals of two or three weeks, from March to August. One ounce to 100 feet of drill; 10 to 12 pounds to an acre.



Bloomsdale Curled Savoy Spinach

**Bloomsdale Curled Savoy** In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 35c; 5 lbs. \$1.50; postpaid.

### New Long Standing Bloomsdale Savoy

A new long standing strain of the well-known Bloomsdale Curled Savoy Spinach. Slow in running to seed, stands a long time in edible condition. Leaves very dark green, crumpled, large and attractive. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 50c; 5 lbs. \$2.00; postpaid.

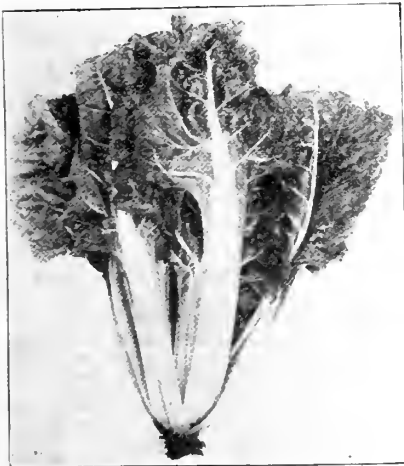
**Eskimo Giant** Produces its broad, thick leaves early in the season. Its giant leaves often measure 20 inches across, which when cooked are very tender. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 50c; postpaid.

**King of Denmark** The largest growing variety. The glossy dark green foliage is attractively crumpled and thick in texture. Ready to cut in 48 days. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 50c; postpaid.

**New Zealand Spinach** One single plant will grow to dimensions of 6 feet across, producing an abundance of thick, fleshy, juicy stems and leaves. Plant in hills 2 feet apart each way, 3 or 4 seeds to a hill. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c; postpaid.

#### QUANTITY PRICES

See Green Ink Price List enclosed for Special Quantity Prices on Spinach Seed.



Swiss Chard

## CHARD

### Swiss Chard, or Silver Lucullus Beet

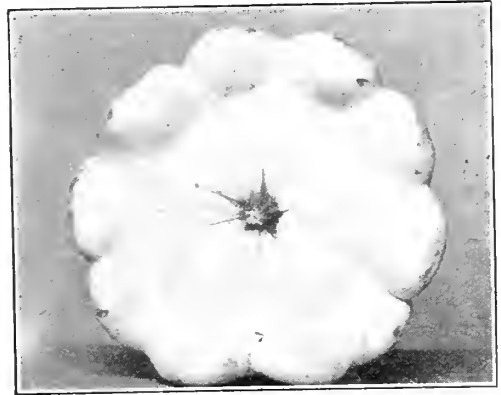
Grown for its leaves and stems only. Cook the leaves as you do spinach, and the stems like asparagus. The plant is almost perpetual if kept trimmed; also good for poultry greens. Lucullus Swiss Chard is the best variety. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c; postpaid.

### Sheep Manure

Is the ideal plant food for gardens; high in nitrogen, but does not burn plants or harm seed. Makes better crops. 10 lbs. 45c; 25 lbs. 75c; 100 lbs. \$2.25.

## SQUASH

**CULTURE**—After danger of frost is past, plant in a warm, well-pulverized, rich soil, mixing well-rotted manure with the soil in each hill. Plant 8 or 10 seeds to the hill; the bush varieties 4 to 6 feet apart, the running sorts 8 to 10 feet.



Early White Bush Squash

**Early White Bush Patty Pan** The well-known summer variety. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 90c; postpaid.

**Zucchini** An Italian summer variety of bush habit. The fruits are oblong, 12 to 16 inches in length and 5 inches in diameter, furrowed with 5 ribs; color, marbled yellow and dark green stripes; quality fine. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25; postpaid.

**Golden Custard** Bush form similar to the White Bush, but yellow and fine quality, being always tender. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 90c; postpaid.

**Giant Yellow Straightneck** A selection from the Crookneck Squash, but with a straight rather than a crooked neck, and thus being more easily packed for shipment. Fruits intensely warted, 18 to 20 inches long, deep orange in color with a thick, meaty neck. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25; postpaid.

**Giant Yellow Crookneck** Fruit is large, bright yellow and covered with warts. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00; postpaid.

**Hubbard** A favorite winter squash. Flesh rich orange; dry and sweet. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25; postpaid.

**Mammoth White Bush** Quite similar to the Early White Bush, from which it was originally selected. It differs in being about a third larger and more uniform in shape; color a beautiful waxy white; the fruits are thick, the flesh tender and of the best quality. A very prolific bearer. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 90c; postpaid.

**Vegetable Marrow** Produces a succession of squashes throughout the summer, ranging in size from 10 to 15 inches long by 4 to 6 inches thick. Skin greenish yellow to a creamy white; flesh white and of a very rich flavor. One of the best summer varieties. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.25; postpaid.

**Yellow Summer Crookneck** A bush variety; early and prolific; surface deep yellow, densely warted; quality and flavor good. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. \$1.00; postpaid.

## SALSIFY

### (Oyster Plant)

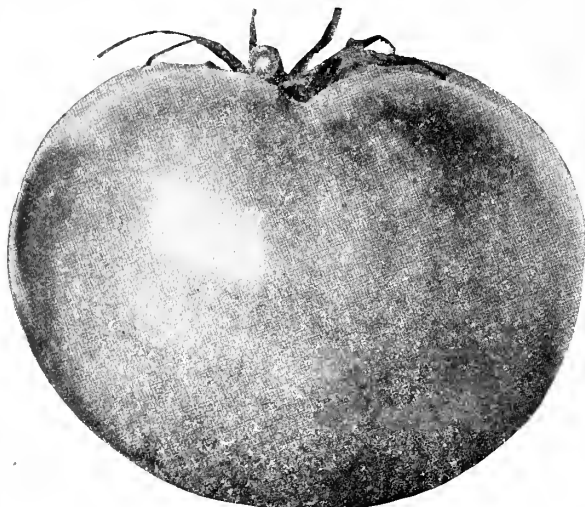
**CULTURE**—The Oyster Plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill, 7 pounds to one acre.

**Mammoth Sandwich Island** This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00; postpaid.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## R.-H. Co.'s TOMATOES

**CULTURE**—The seed should be sown in March in a hotbed or greenhouse, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. About the middle of April the plants may be set in the open ground from 4 to 5 feet apart each way. One ounce produces about 1,500 plants. To prevent rot and blight on tomato plants, spray with Pyrox when first fruits have set.

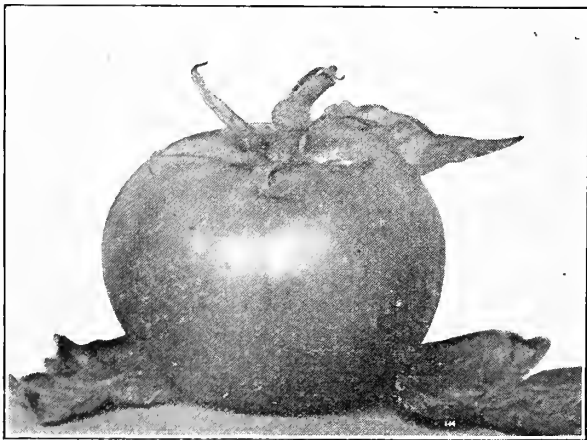


Marglobe

**Marglobe (New)** The Wilt and Nailhead Rust-Resisting Sort. Developed by the Agricultural Department and thoroughly tested in sections where the above diseases are very destructive. The Marglobe was produced by crossing the Livingston Globe with one or more other varieties. A bright red in color, of large size, almost round, and very productive. It will pay to try the Marglobe, even if you are not bothered with tomato diseases. It is very promising. Pkt. 5c; oz. 40c; ¼ lb. \$1.25; 1 lb. \$3.75; postpaid.

**R.-H. Co.'s Oxheart** Because of its attractively different shape, large size, as well as excellent table qualities, it has quickly come into general favor. Specimens weighing 3 pounds or more are quite common. While the Oxheart is not a heavy yielder, being similar to Ponderosa in this respect, the grower is going to find the Oxheart a mighty attractive sort. They sell on sight. The skin is pink, same as Livingston's Globe. It is almost seedless. Flesh very thick, with small seed cavity. Pkt. 25c; ½-oz. 75c; 1-oz. \$1.25; ¼-lb. \$3.00.

**Earliana** A fine scarlet tomato. Ready for the market several days ahead of any other variety. Ripens uniformly and is a good yielder. Smooth, always round and good first size. Flesh is very thick, firm and solid, with few seeds. Good shipper; does not crack. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25; postpaid.



Gulf State Market

**Pyrox**

Spray Tomatoes with it and prevent blossom-end rot and worms. 1-lb. jar 50c; 5 lbs. \$1.75; 25 lbs. \$5.75; 100 lbs. \$14.50; f. o. b. Memphis. Not mailable.

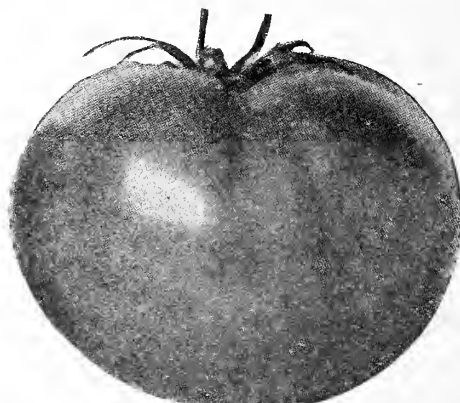
**Early Acme** Early and bears fruit until cut off by frost. Fruit is purplish-pink, always round, smooth and of good size, and is borne in clusters of four or five; free from cracks and stands shipment well. Flesh is solid and of excellent flavor. Pkt. 5c; oz. 30c; ¼ lb. 90c; 1 lb. \$3.00; postpaid.

**Beauty** The vines are large, vigorous and very productive. The fruits are large, purplish-pink, exceptionally smooth and uniform in size, very solid and of excellent quality. This is one of the best mid-season or main crop purplish-pink sorts for table use. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25; postpaid.

**Beefsteak** Large fruit, 4 to 5½ inches across, nearly always perfectly smooth, glossy, bright red flesh. Very solid; excellent quality, few seeds; ripening up to stem; good keeper and a good shipper. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; 1 lb. \$4.50; postpaid.

**Bonny Best** An early variety maturing a little later than Earliana. Fruit medium size, color bright scarlet, exceedingly smooth, handsome shape, ripens evenly close up to the stem. It is very prolific and we recommend it as a first-class sort. Pkt. 5c; oz. 35c; ¼ lb. 75c; 1 lb. \$2.50; postpaid.

**Burpee's Dwarf Giant** A new dwarf sort of good size and various other unique characteristics. It is very prolific, producing fruits in clusters around the base of the plant, a beautiful purple variety. Pkt. 10c; oz. 50c; ¼ lb. \$1.25; 1 lb. \$4.00; postpaid.



Early Detroit

**Early Detroit** The largest and best of the early purplish tomatoes. Fruits very smooth, nearly globe-shaped, firm and of excellent quality. Is a better yielder and more vigorous than Acme. The fruits are of good size throughout the season. Pkt. 5c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.50; postpaid.

**Dwarf Ponderosa** It is much the largest fruited of all dwarf tomatoes. The color is a rich purplish-crimson. Pkt. 10c; oz. 50c; ¼ lb. \$1.25; 1 lb. \$4.25; postpaid.

**Gulf State Market** One of the finest early globe-shaped tomatoes yet produced. A very vigorous grower and withstands blight exceptionally well. Color deep purplish-pink, smooth skin and free from cracks. Pkt. 5c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.50; postpaid.

**Special Stock Gulf State Market** This seed is more carefully selected by the grower and is of the very highest quality obtainable. Pkt. 10c; oz. 75c; ¼ lb. \$2.00; 1 lb. \$5.50; postpaid.

### QUANTITY PRICES:

For quantity prices on Tomato Seed, see Green Ink List enclosed

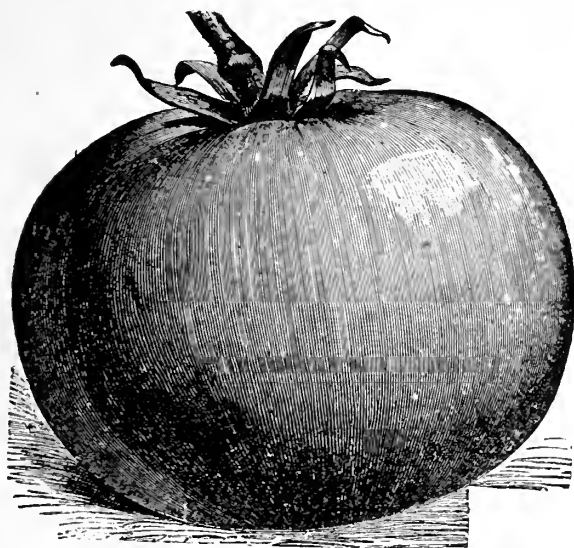
### Galvanized Tomato Stakes

Made of heavy galvanized iron; durable, strong and convenient. They can also be used for Dahlias and other plants that require staking. Special prices as follows:

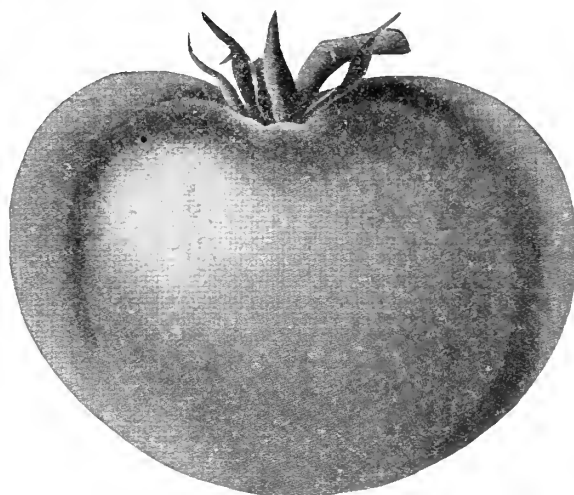
4½ feet high.....Each 15c  
5½ feet high.....Each 16c

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## R.-H. Co.'s TOMATOES



Livingston's Globe



Stone

**Livingston's Globe** The Greatest Shipping Tomato Known. Not excelled by any other pink variety, and it is one of the best for the home garden, comes into bearing early, and keeps on bearing almost until frost. The fruits are of large size, always smooth, with firm flesh that ripens evenly; color, a fine glossy rose, tinged with purple. Quality good, being mild, pleasant and of delicious flavor. Fine for early growing on stakes or trellises. Almost blight-proof. Pkt. 5c; oz. 40c; ¼ lb. \$1.25; 1 lb. \$4.00; postpaid.

**Special Stock Livingston's Globe** This is the very best quality obtainable, sealed in original packages from the growers. Pkt. 10c; oz. 75c; ¼ lb. \$2.00; 1 lb. \$5.75; postpaid.

**R.-H. Co.'s Red Head Tomato** A superb early maturing variety, coming into bearing with Earliana; however it is perfectly smooth of larger size and a deep but bright red color and holds its size throughout the season. The vines are vigorous, heavy and do not show but little tendency to wilt or leaf curl. Red Head answers for an extremely early or medium maturing variety and is one that will make the gardener money. Pkt. 5c; oz. 40c; ¼ lb. \$1.00; 1 lb. \$3.50; postpaid.

**Ponderosa, the Giant Tomato** of the large-fruited varieties; this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight; tomatoes grow in beautiful uniform clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; 1 lb. \$4.75; postpaid.

**Yellow Ponderosa** Equals Ponderosa in size, but bears rich golden-yellow fruits in abundance. Pkt. 10c; oz. 60c; ¼ lb. \$2.00; 1 lb. \$5.25; postpaid.

### SMALL OR PRESERVING TOMATOES

RED PEAR SHAPED.....Pkt. 10c; oz. 50c; postpaid  
RED PEACH.....Pkt. 10c; oz. 50c; postpaid  
YELLOW PLUM.....Pkt. 10c; oz. 50c; postpaid  
RED PLUM SHAPED.....Pkt. 10c; oz. 50c; postpaid

### GOOD TOMATO PLANTS

These are usually ready about April 1st. We can supply the following varieties:

EARLY DETROIT  
LIVINGSTON'S GLOBE  
PONDEROSA

GULF STATE MARKET  
MARGLOBE  
STONE

Hot Bed or Seedling Stock—Prices: Postpaid, 50, 40c; 100, 70c; 500, \$2.30. Not prepaid, doz., 10c; 50, 30c; 100, 50c; 500, \$2.00; 1,000, \$3.00.

Transplanted, Hot Bed Grown—Prices: Postpaid, doz., 30c; 50, 75c; 100, \$1.25; 500, \$4.75. Not prepaid, doz., 25c; 50, 60c; 100, \$1.00; 500, \$4.00; 1,000, \$7.50.

### FIELD GROWN PLANTS

Varieties: Marglobe and Livingston Globe. These are hardy, open ground seedling plants that will hold up better than any frame plants. Postpaid, 50, 60c; 100, 90c. Not prepaid, 50, 50c; 100, 75c; 500, \$3.00; 1,000, \$4.50.

**New Stone** The Greatest of All Canning Tomatoes. The new Stone is always of good size, deep through from stem to blossom-end and very firm. Skin is bright scarlet, perfectly smooth, and strong enough to stand shipping and long-distance hauling to perfection. Flesh is very solid and of finest flavor. Seed-cells are small and few. Livingston's Stone is recognized as one of the greatest canning tomatoes. Pkt. 5c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.75; postpaid.

**Matchless** The color is rich red. The skin is so tough that it makes a splendid keeper and shipper, and is less liable to crack in wet weather than any other large tomato. Unsurpassed for market or table; strong grower and very productive, bearing with undiminished vigor until frost. The fruit is free from core and the seed spaces comparatively small. Pkt. 5c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.75; postpaid.

**Norton Wilt-Resistant** Somewhat larger than Stone, which variety it resembles in every way, but has a longer bearing season; very smooth, excellent flavor, solid, bright red color; ripens in mid-season and will bear until frost. Plants also stand almost any kind of weather conditions and are blight resistant. Pkt. 5c; oz. 30c; ¼ lb. 75c; 1 lb. \$2.75; postpaid.

**Red Rock** A main crop variety, similar in character to the Stone. Very productive and a good shipper. Fruit is a brilliant red, exceptionally smooth and uniform in size; flesh very firm, and is excellent for canning. Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50; postpaid.

**Trucker's Favorite** A purple-fruited sort of excellent quality. Fruits are invariably smooth, solid and the flesh is of finest color throughout. Plants are very thrifty, free from rust or blight and bear continually until killed by frost. Pkt. 5c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.50; postpaid.

### TOBACCO

The seeds are sown in the spring. When these plants are almost 6 inches high, set out 2 feet apart, in drills, with rows 3 feet apart. One ounce of seed will make enough plants to set out three acres.

HAVANA—Grown largely for wrappers of cigars.

CONNECTICUT SEED LEAF—An early variety, for smoking and chewing.

IMPROVED WHITE BURLEY—Fine for both chewing and smoking.

Price of any of the above varieties: Pkt. 10c; oz. 40c; postpaid.

### HOTKAP PLANT PROTECTORS



Germaco  
**Hotkaps**  
New Method of  
Plant Protection

Matures crops earlier; shields plants from wind, rain and light frosts; protects them from insects; keeps dirt soft—miniature "hot-houses." A revolutionary device that saves much in time, labor and money; 1,500 Hotkaps used on an acre, average.

Full directions in free circular.

Price, 100 with garden setter, \$2.50. By mail, \$2.75.

1,000 Hotkaps without setter, \$11.50.

"Trial Box," consisting of 250 Hotkaps with one new style garden setter made of fibre for \$4.00; by mail \$4.30. Garden setter alone, 50c; by mail, 60c.

HOTKAP SETTERS. Metal. Used when large quantities are set. \$2.50 extra; by mail, \$2.65.

## TURNIP AND RUTABAGA

**CULTURE**—Spring sowing should be put in early, so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties during August and September. Sow either broadcast or in drills 2 feet apart, thinning out to 6 inches and roll the ground after sowing. Rutabagas should be sown in July and early in August, and earthed up as they grow. New ground makes the best turnips, or, if sown in your garden, first mix a good supply of phosphate with the ground, then sow your seed. Cover the seed about  $\frac{1}{2}$  inch. Sow  $1\frac{1}{2}$  pounds to the acre in drills, 2 pounds broadcast.

**Extra Early White Milan** The earliest turnip. Tops very small, distinctly strap-leaved and growing very erect. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c; postpaid.

**Extra Early Purple Top Milan** A white variety, purple top and strap-leaf. This, with the White Milan, is the earliest of all turnips. Pkt. 10c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c; postpaid.

**Dixie Land** A winter variety, large white bulbs. Sow in August for winter use. They stand the coldest weather. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 50c; postpaid.

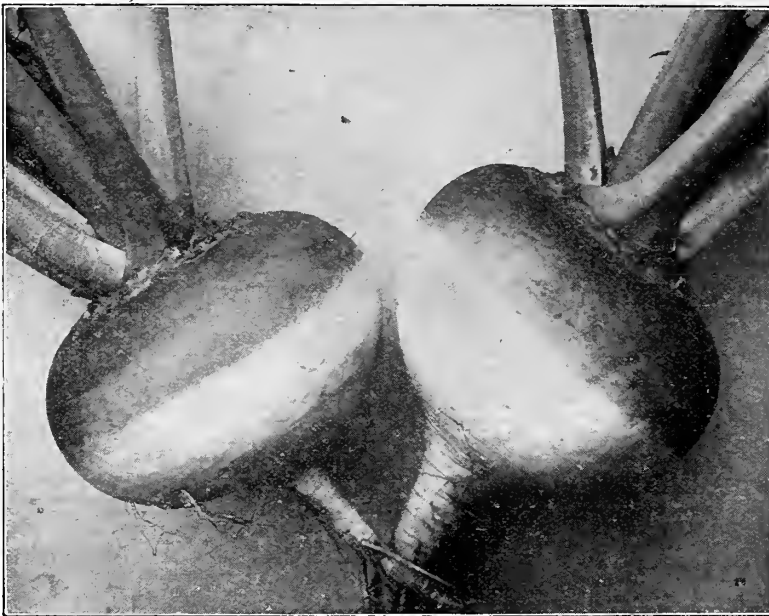
**Large Amber Globe** Of large size, globe-shaped, solid yellow flesh; green top. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 50c; postpaid.

**Long White Cow Horn** A long white turnip, 12 to 15 inches in length,  $2\frac{1}{2}$  inches in diameter and growing well above the ground. Of rapid growth, producing large, heavy roots in 75 days. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 60c; postpaid.

**Large White Globe** A popular variety. Makes large, round white roots, flesh white, solid, sweet and fine-grained, maturing in about 75 days. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 45c; postpaid.

**R.-H. Co.'s American Red Top Globe** Grown for us on contract from our own special seed stock. A perfect globe-shaped with bright red or purple top and snow-white bottom. It does not taper like other types of the same variety. This is due to the utmost care in selection when growing for seed. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c; postpaid.

**R.-H. Co.'s Mixed Turnips** A general mixture; produces greens and turnips early and late; fine for home gardens. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 45c; postpaid.



Mammoth Purple Top White Globe

**Mammoth Purple Top White Globe** One of the handsomest and most salable turnips. It is a large, rapid-growing sort, being ready for the table or market in about 65 days, with globular-shaped roots. Flesh pure white and the best flavored of all turnips, raw or cooked. The skin is white, with a purple top. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 50c; postpaid.

**Red or Purple Top Strapleaf** Flat white, with purple top. Fine-grained and tender. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 45c; postpaid.

**Shogoin or Japanese Louse Resistant Turnip** A new variety that is becoming very popular in the South. Especially valuable for turnip greens, which are always in good demand during the late spring and summer months in the South. The leaves grow upright, about 2 feet high when fully developed, which make it practically free from insect attacks. The roots are pure white, between flat and globe in shape; however, this wonderful new sort is more largely planted for the tops than the roots. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00; postpaid.

**Southern Seven Top** The old standard popular salad variety, grown extensively for this purpose. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 45c; postpaid.

**Southern Prize** A Southern winter turnip; forms large snow-white bulbs that stand the severest winter. The tops make fine winter salad. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 45c; postpaid.

**Sweet German** A very hardy sort; used largely for greens, in same manner as Seven Top. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 50c; postpaid.

**White Flat Dutch Strapleaf** An extra early pure white, flat growing variety. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 45c; postpaid.

**White Egg** A quick-growing, egg-shaped, pure white variety. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 50c; postpaid.

**Yellow Aberdeen Purple Top** A splendid variety with firm, solid, yellow meat. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 15c; 1 lb. 50c; postpaid.

## RUTABAGA

**CULTURE**—Sow in drills or broadcast in June, July and August.

**Improved Purple Top Yellow** The finest and most profitable of all yellow, purple-top Rutabagas, being the hardest, heaviest, best shaped and most productive. The flesh is of a beautiful yellow color, of the choicest quality. Matures in 95 days. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 50c; postpaid.

### For Aphis or Lice on Turnips

Use Powdered Tobacco. Dust the young plants early in the morning, while the dew is on them. 1 lb. 15c; 2 lbs. 25c; 5 lbs. 50c; 25 lbs. \$2.00. By parcel post, 1 lb. 25c; 2 lbs. 40c; 5 lbs. 65c.



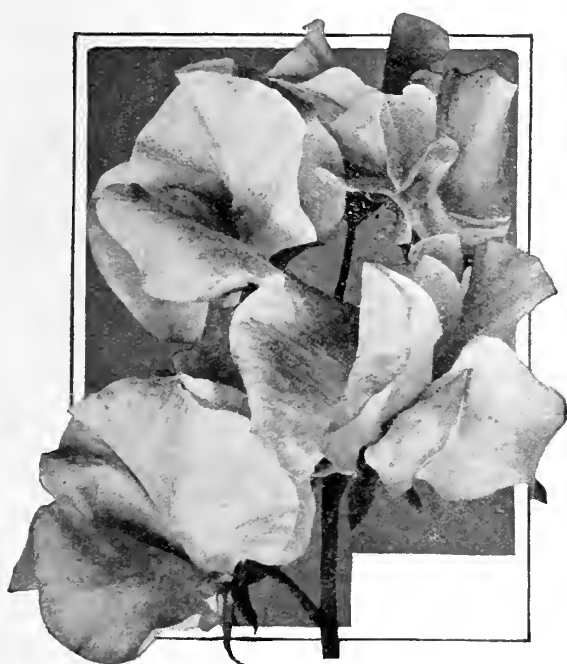
Rutabaga



# R.-H. Co.'s SWEET PEAS



**CULTURE**—Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with Pulverized Sheep Manure in it. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the plants are well above the ground, they should be thinned out so as to be at least from 2 to 4 inches apart.



Pinkie Sweet Peas

## MIXED COLORS SWEET PEAS

**Burpee's Reselected Mixed Spencers** From the House of Burpee. Their own special mixture of Spencer Sweet Peas. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25; postpaid.

**R.-H. Co.'s Mixed Giant Spencers** They represent the highest achievement in Sweet Peas to date. This mixture has been made up of named sorts. Pkt. 5c; oz. 15c; 2 oz. 30c; ¼ lb. 50c; 1 lb. \$1.75; postpaid.

**Early Flowering Mixed Spencers** A rare combination containing all the shades of early flowering Spencers. Pkt. 10c; oz. 25c; ¼ lb. 90c; 1 lb. \$3.00; postpaid.

**Eckford Royal Mixed** Composed of the very best varieties of the Grandiflora type of Sweet Peas. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.00; postpaid.

**Cupid Mixed** These form a line of emerald-green foliage a little over a foot wide and six inches high. Pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$1.75; postpaid.

**Perennial Mixed** The plants are hardy and will live for years, but the flowers have not the fragrance of the annual Sweet Peas. These come mixed in shades of red and white only. Pkt. 10c; oz. 50c; ¼ lb. \$1.50; postpaid.

**Special Ounce Collection of Spencer Sweet Peas, as follows:** 1 oz. Austin Frederick, lavender; 1 oz. Countess Spencer, pink; 1 oz. Fiery Cross, scarlet; 1 oz. King Edw. VII, crimson; 1 oz. King White, white; 1 oz. Royal Purple, purple. Special price, six varieties as above, one ounce of each kind, regular value \$1.50, for only \$1.00; postpaid.

## NAMED SPENCER SWEET PEAS

**Separate Colors—Large Flowering** This group includes the largest and most beautifully formed Sweet Peas. The Spencers have very large, waved flowers, which are produced abundantly on long, strong stems, making the blossoms most desirable for cutting. All the following prices are postpaid:

### SPECIAL OFFER

One 10c packet each of the 22 named Spencer Sweet Peas, shown on the left; retail value \$2.20, sent postpaid for only \$1.50.  
One 1-oz. packet of each of the 22 named Spencers shown on the left; retail value \$6.35, only \$4.00, postpaid.

## NAMED OR SEPARATE COLOR

### Early Flowering Spencer Sweet Peas

These are the best of the early flowering Spencer Sweet Peas. All have long stems and bloom two to three weeks earlier than the standard or late Spencer. Price uniform, any of the following 12 varieties: Pkt. 15c; 2 pkts. 25c; oz. 60c; ¼ lb. \$1.75; postpaid.

- EARLY FLOWERING ALAMEDA—Deep rose-pink.
- EARLY FLOWERING AMETHYST—Rich royal-purple.
- EARLY FLOWERING BLUE BIRD—Attractive shade of blue.
- EARLY FLOWERING BLUE JACKET—Very bright blue.
- EARLY FLOWERING BURPEE'S ORANGE—Deep orange.
- EARLY FLOWERING GRENADIER—Dazzling crimson.
- EARLY FLOWERING HARMONY—Clear lavender.
- EARLY FLOWERING SNOW STORM—Pure white.
- EARLY FLOWERING VULCAN—Most vivid scarlet.
- EARLY FLOWERING YARROWA—Rosy-pink.
- EARLY FLOWERING ZVOLANEK'S PINK—Clear, showy pink.
- EARLY FLOWERING ZVOLANEK'S ROSE—Bright rose-pink.

### SPECIAL OFFER

One packet each of above 12 Early Flowering Spencer Sweet Peas, regular value \$1.80, only \$1.20, postpaid. One 60c packet of each of above 12 Early Flowering Spencers, regular value \$7.20, only \$4.80, postpaid.

## INOCULATE SWEET PEAS

Be sure to inoculate the Sweet Pea seed before planting. The flowers will be larger and the stems will be longer. Per bottle, enough for 1 lb. of seed, 25c, postpaid.

- AUSTIN FREDERICK IMPROVED—A giant lavender shade. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- BARBARA—A superb salmon shade. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- CONSTANCE HINTON—Very fine pure white. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- COUNTESS—Bright, clear pink. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- CAMPFIRE—Rich, deep red. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- DOBBIES CREAM—Deep cream color. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- FIERY CROSS—Intense deep scarlet. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- HEBE—Giant Rosy Pink. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.00.
- HELEN LEWIS—Orange-salmon color. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- HEAVENLY BLUE—Deep silver blue. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- KING EDW. VII—Very bright red. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- KING WHITE—One of the best whites. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- MARGARET ATLEE—Salmon-pink. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- MRS. TOM JONES—Bright blue. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- MISS CALIFORNIA—One of the finest pink. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.00.
- MARY PICKFORD—Salmon-pink; good. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.
- OLYMPIA—Rich purple. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.00.
- PINKIE—Largest size Rose-pink. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.00.
- PRINCE OF ORANGE—The deepest orange. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.00.
- ROYAL PURPLE—Very deep purple. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.
- SUNKIST—Large cream with picotee edge of rose. Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.00.
- TANGERINE—Improved; deep orange. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.



# FLOWER SEEDS

## CULTURAL DIRECTIONS

Light, rich loam is most suitable for flowers. The soil should be finely pulverized for best results. This is of paramount importance if one wishes to grow them successfully. They, in common with all other seeds, should be sown thinly and the soil pressed firmly over them when covered. Water frequently. A good plan is, sow the seeds in rows about 8 inches apart, then transplant to the permanent garden later.

**ALL PRICES ON FLOWER SEEDS Are Postage Paid.**

**Alyssum** Six to 8 inches high a fragrant, hardy annual, bearing spikes of small white flowers in great profusion. Useful for border of early bedding flowers. Sow the seed early in spring.  
**SWEET ALYSSUM**—Pkt. 5c; oz. 35c.

**LITTLE GEM ALYSSUM**—Three to 4 inches high; fine for borders. Pkt. 10c; oz. 50c.

**Ageratum** Very showy plants; bloom profusely the whole summer; fine as cut flowers; splendid for borders, ribbon beds, etc. Half-hardy annuals.  
**DWARF BLUE AGERATUM**.....Pkt. 10c; oz. 50c  
**FINEST MIXED AGERATUM**.....Pkt. 5c; oz. 45c

**Amaranthus CAUDATUS**—Love Lies Bleeding—Very attractive; 3 feet. Pkt. 5c; oz. 25c.  
**TRICOLOR**—Very attractive annual, called Joseph's Coat. Pkt. 5c; oz. 50c.  
**CRUENTUS**—Showy annual, known as Princess Feather. Pkt. 5c; oz. 35c.

**Antirrhinum, or Snapdragon** Flowers double the size of older sorts, more closely set on the stems and colors more clear and brilliant, growing about 18 inches high.

**TALL MIXED**—Many colors. Pkt. 5c; oz. 60c.

**DWARF MIXED**—Many colors. Pkt. 10c; oz. \$1.25.

**EMPRESS**—A rich crimson Snapdragon. Pkt. 10c; oz. \$2.00.

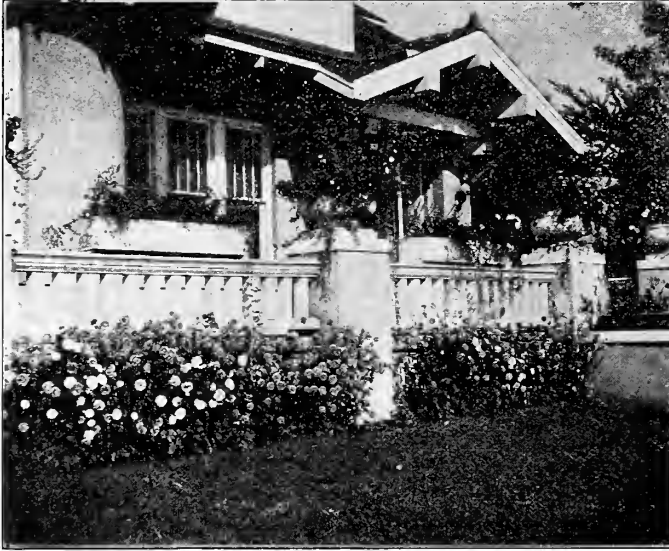
**GOLDEN QUEEN**—Beautiful golden - yellow. Pkt. 10c; oz. \$2.00.

**SILVER PINK**—Satiny pink. Pkt. 10c; oz. \$1.75.

**African Daisy (Arctotis Grandis)** It forms much-branched bushes 2 to 3 feet high; its Daisy-like flowers are pure white with a gold band surrounding a pale mauve or blue center. It is not only pleasing when open, but also when it closes at evening and displays its lilac-tinted undersides. Good cut flower. Pkt. 10c; oz. 90c.

**Aster (The Sunshine)** These have twisted and quilled petals, are very showy and attractive. All have a cushion center of tiny quills of a contrasting color, which makes the flower look as if it were covered with snowflakes. Their delicate beauty is hard to describe. Price packet mixed colors 15c; 4 pkts. 50c; oz. \$1.75.

**Acroclinium (Everlasting Flower)** A pretty everlasting, bearing graceful, daisy-like flowers, pretty bright rose and white with yellow centers, which, when cut in the bud state, can be dried and used for winter bouquets. Double mixed; 1 foot. Pkt. 10c; oz. 40c.



Every Home Should Have Flowers

**VICTORIA MIXED**—Flowers very large and perfect. Pkt. 10c; oz. \$1.50.

**ALL COLORS MIXED**—A combination of all varieties, double, of globular shape and imbricated; 1½ feet high, giving both range and colors and shapes. Pkt. 5c; oz. \$1.00.

**SEMPLE'S BRANCHING**—Quite different in several respects from any other Aster; beautiful for cut flowers.

**SEMPLE'S BRANCHING PURPLE ASTER**.....Pkt. 10c; oz. \$2.00

**SEMPLE'S BRANCHING PINK ASTER**.....Pkt. 10c; oz. \$2.00

**SEMPLE'S BRANCHING CRIMSON ASTER**.....Pkt. 10c; oz. \$2.00

**SEMPLE'S BRANCHING BLUE ASTER**.....Pkt. 10c; oz. \$2.00

**SEMPLE'S BRANCHING LAVENDER ASTER**.....Pkt. 10c; oz. \$2.00

**SEMPLE'S BRANCHING WHITE ASTER**.....Pkt. 10c; oz. \$2.00

**SEMPLE'S BRANCHING MIXED, ALL COLORS**.....Pkt. 10c; oz. \$1.50

**Balsam** Plant 12 to 18 inches apart. Transplanting two or three times has a tendency to dwarf the plants to make the flowers more double.

**DOUBLE MIXED**—Pkt. 5c; oz. 50c.



Giant Comet Aster

**Balsam Apple** Round, pear-shaped fruit with very fine, glossy green foliage. This is a pretty climber. Pkt. 5c; oz. 40c.

**Balloon Vine** A rapid growing climber; thrives in light soil. Pkt. 5c; oz. 30c.

**Bachelor's Button** Mixed colors. Also called Globe Amaranth. Of easy culture; sow the seed where it is to remain and thin plants to 3 or 4 inches apart. Annual. Pkt. 5c; oz. 40c.

**Blue Lace Flower** A flower you cannot do without in your garden. Beautiful, large, lace-like flowers, similar to wild carrot, but of a lovely delicate azure-blue gracefully poised on long stems. Sow in the hotbed in March, and outdoors in May and again in June, and you can cut flowers until frost. Pkt. 10c; oz. \$1.50.

**Cacalia** Also called Flora's Paint Brush; an excellent cut flower. Plant grows 24 inches high. Pkt. 10c; oz. 80c.

## PRICES ON PACKET FLOWER SEEDS

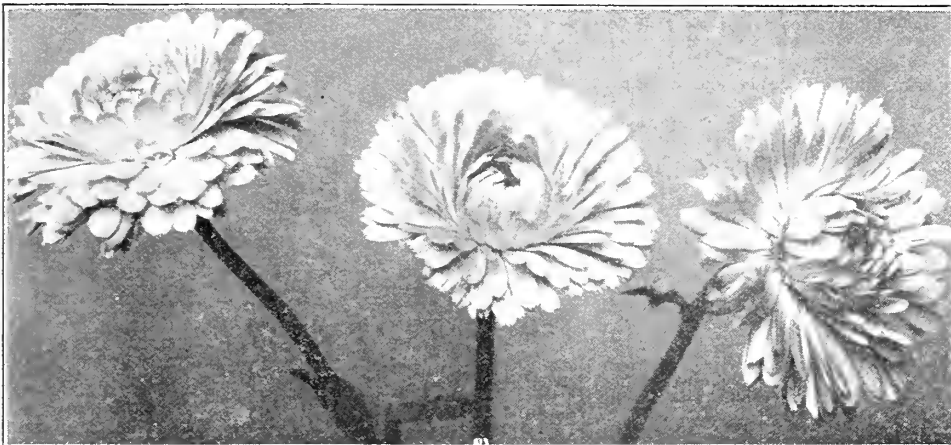
Select any 6 five-cent packets for.....	25c
Select any 13 five-cent packets for.....	50c
Select any 27 five-cent packets for.....	\$1.00
Select any 3 ten-cent packets for.....	25c
Select any 7 ten-cent packets for.....	50c
Select any 15 ten-cent packets for.....	\$1.00
Select any 2 fifteen-cent packets for.....	25c

NO FURTHER DISCOUNTS ALLOWED ON THESE OFFERS

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

# RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN.



Calendula (Pot Marigold)

**Calendula** (Pot Marigold) Very hardy annual; 1 foot high. Have showy double flowers blooming until frost and producing fine effect in borders.

**ORANGE KING CALENDULA**—Rich orange color. Pkt. 10c; oz. 50c.

**MIXED CALENDULA**—All double sorts. Pkt. 5c; oz. 25c.

**Calliopsis** Showy, beautiful free-flowering annuals, excellent for cutting and massing. Mixed colors. Pkt. 5c; oz. 35c.

**Cosmos Double** The latest development in this popular flower. The plants are similar to other Cosmos, but the blooms are distinct in having double crowns, giving them a very dainty and exquisite appearance. The colors are a delightful shade of shell pink, pure white and crimson. A large percentage come true from seed both as to doubleness and color. Pkt. 10c; oz. \$2.00.

**Canterbury Bells** Handsome, hardy biennial of stately growth, rich color and profuse bloom; height 2 to 3 feet. Single mixed colors. Pkt. 5c; oz. 40c.

**Candytuft** The flowers are produced in clusters in a variety of colors. Very showy for borders or massing in beds. Pkt. 5c; oz. 20c.

**Carnation Marguerite** The flowers are large, double and very fragrant. Mixed colors. Pkt. 10c; oz. \$1.50.

**Canna** Ornamental, producing clusters of large flowers of the most brilliant colors. Soak seed for a day in warm water. Mixed colors. Pkt. 5c; oz. 35c.

**Catchfly** Very pretty dwarf plants, used mostly for borders, thriving in almost any soil and of easy cultivation, annual, 6 inches. Mixed colors. Pkt. 5c; oz. 60c.

**Cardinal Climber** A new and brilliant colored annual climber. Flowers glowing scarlet. Vines attaining a height of from 20 to 30 feet. Pkt. 10c; oz. \$1.50.

**Chinese Woolflower** Plant grows 2 to 3 feet high; produces roundish heads like a ball of wool, of rich colors. Mixed Chinese Woolflower. Pkt. 10c; oz. \$1.50.

**Cobea Scandens (Cup and Saucer Vine)** A climber of valuable for covering trellises, arbors, trunks of trees, etc.; large, bell-shaped flower. Pkt. 5c; oz. 70c.

**Coleus** Probably the best known and most popular of ornamental foliage plants. Tender annual. Mixed colors. Pkt. 20c; 3 pkts. 50c.

**Columbine** Easily grown, old-fashioned perennials for borders, forming large, permanent clumps. Pkt. 5c; oz. 75c.

**Cosmos** Among the garden annuals that have come into prominence in recent years the Cosmos lead all. Seed sown in the open ground in the beginning of April will produce blooming plants in July, and they will continue to flower late in the fall.

**EARLY FLOWERING COSMOS**—Mixed colors. Pkt. 5c; oz. 50c.

**GIANT FLOWERING COSMOS**—Mixed colors. Pkt. 5c; oz. 35c.

**GIANT FLOWERING COSMOS**—Pink. Pkt. 10c; oz. 40c.

**GIANT FLOWERING COSMOS**—Crimson. Pkt. 10c; oz. 40c.

**GIANT FLOWERING COSMOS**—White. Pkt. 10c; oz. 40c.

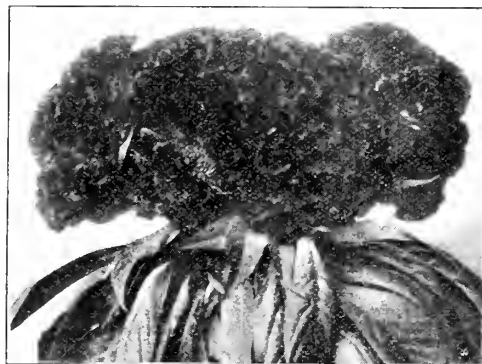
**KLONDYKE YELLOW COSMOS**—Pkt. 10c; oz. \$1.00.

**Cypress Vine** Rapid climber, bearing an abundance of star-like flowers; fine for trellises and arbors.  
**RED CYPRESS VINE**—Pkt. 10c; oz. 50c.  
**MIXED CYPRESS VINE**—Pkt. 5c; oz. 30c.

**Cynoglossum (Chinese Forget-me-Not)**

**AMABLE**—An annual recently introduced from China; of the easiest culture, forming strong plants 18 to 24 inches high and producing through the summer months sprays of intense blue Forget-Me-Not-like flowers, delicately sweet scented. Pkt. 10c; oz. 50c.

**Canary Bird Vine** A beautiful climber with curiously shaped little canary-colored blossoms. Tender annual. Pkt. 5c; oz. 40c.



Cockscomb Celosia

**Cockscomb Celosia** The finest type of the feathered cockscomb. Huge plumes of crimson flowers. Dwarf sorts. Pkt. 10c; oz. \$1.50.

**Cornflower** Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty.

**SINGLE MIXED CORNFLOWER**..... Pkt. 5c; oz. 50c

**SINGLE BLUE CORNFLOWER**..... Pkt. 10c; oz. 50c

**SINGLE PINK CORNFLOWER**..... Pkt. 10c; oz. 50c

**DOUBLE MIXED CORNFLOWER**..... Pkt. 10c; oz. 50c

**DOUBLE BLUE CORNFLOWER**..... Pkt. 10c; oz. 50c

**Coreopsis** Fine for cutting; graceful flowers. Pkt. 5c; oz. 40c.



Coreopsis



Cosmos

# RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN

**Dahlia** This strain is a decided advance on the ordinary singles. The plants are of strong, robust habits and produce in great abundance flowers of immense size, of the most bewildering variety of coloring.

**DOUBLE MIXED DAHLIA**—Pkt. 10c; oz. \$2.00.

**SINGLE MIXED DAHLIA**—Contains many desirable shades and markings. Pkt. 10c; oz. 75c.

**Daisy** They love a shady place and will reward the gardener with a mass of blooms if left undisturbed.

**DOUBLE MIXED DAISY**—Pkt. 10c; oz. \$2.00.

**SHASTA DAISY**—Pure white; gigantic; will bloom in six months from seeding. Pkt. 10c; oz. \$1.25.

**Escholtzia (California Poppy)** A genus of the poppy family. Hardy annuals; height 1 foot.

**MIXED ESCHOLTZIA**—All colors. Pkt. 5c; oz. 30c.

**GOLDEN WEST ESCHOLTZIA**—Flowers 3 to 5 inches across. Bright yellow with orange blotch at base of petals. Pkt. 5c; oz. 35c.

**Euphorbia (Snow on the Mountain)** An exceedingly ornamental plant. Used as a background for low-growing plants. The foliage is light green with white margin; 2 feet high. Pkt. 5c; oz. 50c.

**Forget-Me-Not** Six inches. Dainty, elegant little plants with graceful flowers, mostly in shades of blue. Mixed—many varieties. Pkt. 5c; oz. 80c.

**Foxglove (Digitalis)** Grows to the height of 3 to 4 feet, with dense spikes of brilliantly colored flowers. Mixed colors. Pkt. 5c; oz. 60c.

**Four O'Clock (Marvel Peru)** Mixed. The flowers open about 4 o'clock in the afternoon, remaining open all night. Hardy annual; 2 feet high. Pkt. 5c; oz. 20c.



Hollyhocks

**Gaillardia** Blanket flower, showy and excellent for beds or for cutting. Hardy annual, ½ foot high, mixed. Pkt. 5c; oz. 75c.

**Globe Amaranth (Bachelor's Button)** A single plant will produce several hundred flowers. Mixed colors. Pkt. 5c; oz. 35c.

**Godetia** An attractive annual; grows 2½ feet in height; produces showy blossoms in all varied colors. Fine as a cut flower.

**TALL CARMINE GODETIA**—Pkt. 10c; oz. \$1.50.

**TALL PINK GODETIA**—Pkt. 10c; oz. \$2.00.

**Gourds** A tribe of climbers with curiously shaped and colored fruit. Tender annual; 10 to 20 feet high. Mixed. Pkt. 5c; oz. 35c.

**Gypsophila (Baby's Breath)** Graceful, free-flowering plant, forming a symmetrical bush, covered with loose panicles of flowers; excellent for cutting and mixing in bouquets. Pkt. 5c; oz. 25c.

**Helichrysum** Hardy annual everlasting flower; large double blooms, called the Straw Flower; mixed colors. Pkt. 5c; oz. 40c.

**Heliotrope** Will bloom as easily from seed as any of the common annuals. Pkt. 10c; oz. \$1.50.

**Hyacinth or Jack Bean** A rapid-growing annual climber; mixed; all colors. Pkt. 5c; oz. 20c.

**Hollyhocks** Our seeds have been saved from the finest and largest double flowers only, and will produce flowers extremely double and in the best, brightest and most charming colors. Sow in April, May or June for next year's blooming.

**DOUBLE BRIGHT RED HOLLYHOCK**.....Pkt. 10c; oz. \$1.50

**DOUBLE CLEAR PINK HOLLYHOCK**.....Pkt. 10c; oz. \$1.50

**DOUBLE PURE WHITE HOLLYHOCK**.....Pkt. 10c; oz. \$1.50

**DOUBLE GOLDEN YELLOW HOLLYHOCK**.....Pkt. 10c; oz. \$1.50

**DOUBLE MIXED ALL COLOR HOLLYHOCKS**.....Pkt. 10c; oz. \$1.25

**SINGLE MIXED ALL SHADES HOLLYHOCKS**.....Pkt. 10c; oz. \$1.00

**Ice Plant** A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The flower is white and pink. Pkt. 5c; oz. 50c.



Helichrysum

**Job's Tears** An ornamental grass with curious shaped seeds, which may be used as beads; height 2 to 3 feet. Pkt. 5c; oz. 25c.

**Kochia or Summer**

**Cypress** Grows quickly from seed sown in the open ground. The bushy plants in the fall resemble balls of fire. Makes a good summer hedge. Pkt. 5c; oz. 35c.

**Lupinus (Blue Bonnet)**

Commonly called Texas Blue Bonnet. Very pretty blue flowers; plant grows about 12 inches high.

Sow seed early in the spring; keep well watered.

A bed of Lupinus will make a grand show, the long, stately spikes being carried on strong bushes and are very attractive.

Pkt. 10c; oz. 30c.



Kochia or Summer Cypress

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

# RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN.

**Kudzu Vine** A rapid growing hardy climber of great merit, growing 8 to 10 feet the first season from seed. Flowers are pea-shaped, of a rosy-purple color. Pkt. 10c; oz. \$1.00.

**Lantana** The plants form small shrubs, producing in late summer and autumn heliotrope-like clusters of single fragrant flowers that change color. Succeeded by green berries that turn to a deep blue. Start under glass and transplant when danger of frost is over. May also be grown in pots. Tender perennial; about two feet high. Finest Hybrids mixed. pkt. 10c; oz. 75c.

**Larkspur (Annual)** For bedding, for growing among shrubbery and as cut flowers, larkspurs are strikingly beautiful. Early spring plantings will give blooms from July till frost, but several plantings are recommended. Transplant 12 inches apart. Height 2 feet, all double flowers.

SKY BLUE LARKSPUR.....Pkt. 10c; oz. 60c.  
PURE WHITE LARKSPUR.....Pkt. 10c; oz. 60c.  
ROSY SCARLET LARKSPUR.....Pkt. 10c; oz. 60c.  
SHELL PINK LARKSPUR.....Pkt. 10c; oz. 60c.  
FINEST MIXED LARKSPUR.....Pkt. 5c; oz. 50c.

**Larkspur-Delphinium (Perennial)** Stately plants. Their large flower spikes, that are raised freely over the decorative foliage, often reach a length of 2 feet or more. Fine for borders. Start seed early in hotbeds or indoor boxes or sow in August. Transplant when 2 to 3 inches high.

LIGHT BLUE PERENNIAL LARKSPUR.....Pkt. 15c; 2 pkts. 25c.  
DARK BLUE PERENNIAL LARKSPUR.....Pkt. 15c; 2 pkts. 25c.  
MIXED COLORS PERENNIAL LARKSPUR.....Pkt. 10c; 3 pkts. 25c.

**Lobelia** A trailing variety with deep ultramarine blue flowers. Very fine for hanging baskets and boxes. Pkt. 5c; oz. \$1.00.

**Marigold** Hardy annuals, in bloom till frost comes.

ORANGE PRINCE MARIGOLD—Rich deep golden-yellow. Very large. Pkt. 10c; oz. \$1.00.

LEMON QUEEN MARIGOLD—Soft lemon-yellow; a beautiful shade. Pkt. 10c; oz. \$1.00.

TALL MIXED MARIGOLD—Immense flowers, double; primrose, lemon, orange and golden shades. Pkt. 5c; oz. 45c.

DWARF MIXED MARIGOLD—Fine for edging and bedding; mixed colors. Pkt. 5c; oz. 50c.



Marigold

**Nigella** Also called Devil in a Bush. Curious-looking flowers and foliage; mixed colors. Pkt. 10c; oz. 25c.

**Do Not Delay Ordering** until you are ready to use the goods you want. It will prove economical often to anticipate your wants. The loss of time in planting by delays of transportation companies, also advances in prices, should show the wise buyer that it is to his interest to order early.



Pansies



Larkspur

**Mignonette** A well known hardy annual, producing dense spikes of exceedingly fragrant flowers. If sown at intervals in spring and summer, it will bloom until killed by frost.

SWEET MIGNONETTE—Pkt. 5c; oz. 25c.

**Moon Flower** A beautiful climber, producing large, sweet-scented flowers 4 to 5 inches across. Tender annuals, 15 to 20 feet. Soak seed and plant in warm sunny place.

WHITE MOONFLOWER—Pkt. 10c; oz. 45c.

BONA NOX—Blue Moon Flower. Large and fragrant. Pkt. 10c; oz. 75c.

**Morning Glory** A hardy climbing annual, growing about 10 feet high. Flowers exist in a great variety of colors, tints and markings.

CHOICE MIXED MORNING GLORY—All colors. Pkt. 5c; oz. 10c.

BRIGHT RED MORNING GLORY—Pure red. Pkt. 10c; oz. 25c.

CLEAR PURPLE MORNING GLORY—Fine Purple. Pkt. 10c; oz. 25c.

JAPANESE MIXED—New Improved Japanese Convolvulus flower, measuring from 4 to 5 inches across; great variety of colors. Pkt. 5c; oz. 20c.



Nasturtium

## NASTURTIIUMS

No annual will produce such a lavish profusion of blooms for so long a time, and such variety and brilliance of color as Nasturtiums. They bloom best in poor soil; the richer the soil the fewer the blooms. Hardy annual.

DWARF CHOICE MIXTURE—A magnificent strain containing countless shades, colors, stripes, blotches and veinings. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. 85c; postpaid.

CHOICE TALL MIXED—Large flowers, the plants producing a profusion of bloom. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 75c; postpaid.

**R.-H. Co.'s Giant Flowered Nasturtium** We have put into these mixtures the cream of the standard and all the newest varieties of distinct merit. The colors vary from pearly white to almost black; every intermediate color is represented, giving the richest combination of colors ever offered in Nasturtiums.

R.-H. CO.'S GIANT FLOWERED DWARF NASTURTIIUM—Mixed colors. Pkt. 10c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.50.

R.-H. CO.'S GIANT FLOWERED TALL NASTURTIIUM—Mixed colors. Pkt. 10c; oz. 25c; ¼ lb. 50c; 1 lb. \$1.50.

**Pansies** These popular flowers thrive best on a cool, moist but well drained soil, enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for summer blooming.

PANSY, CHOICE—A splendid mixture of many very fine varieties. Pkt. 5c; oz. \$1.00.

PANSY (Mammoth Flowering, Mixed)—A special mixture of all the Giant Pansies; very fine colorings; contain an almost endless variety of shades. Pkt. 10c; oz. \$1.50.

**Portulaca** Also called Rose Moss. Beautiful little plants which will bloom profusely all summer. Their richly colored flowers make an effective and brilliant display when planted in large beds and masses. Hardy annual, ½ foot.

SINGLE MIXED PORTULACA.....Pkt. 5c; oz. \$ .60  
DOUBLE MIXED PORTULACA.....Pkt. 10c; oz. \$2.50

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED





Mammoth Flowering Petunia

**Petunias** Petunias are one of the most popular annuals on account of their ease of cultivation and freedom of blooming, succeeding everywhere and giving a constant supply of flowers from June to October. Height 1½ feet.

**BALCONY**—A splendid large and free-flowering type, either for vases, hanging baskets or window boxes; flowers average 3 inches across, making a very effective display. Mixed colors. Pkt. 20c; 3 pkts. 50c.

**COUNTESS OF ELLSMERE**—Single deep rose-pink with white throat; desirable bedding variety. Pkt. 10c; oz. \$1.50.

**GENERAL DODD**—Single, deep rich velvety-red; fine bedder. Pkt. 10c; oz. \$1.50.

**HOWARD'S STAR**—Compact-growing variety; flowers striped and blotched. Pkt. 10c; oz. \$2.00.

**ROSE OF HEAVEN**—Dwarf sort; compact in growth; a rich pink color. Pkt. 10c; oz. \$2.50.

**ROSY MORN PETUNIA**—Soft carmine-pink with white throat; fine for borders, being free-flowering and showy. Pkt. 10c; ½ oz. \$1.25; oz. \$2.25.

**STRIPED AND BLOTCHED**—Includes striped or fine mixed flowers in a wide range of colors. A fine bedder. Pkt. 10c; oz. \$2.00.

**SNOWBALL**—Single large pure white, good bloomer. Pkt. 10c; oz. \$1.50.

**VIOLET PURPLE**—A beautiful shade of purple; very showy. Pkt. 10c; oz. \$2.00.

**CHOICE SINGLE MIXED**—Good mixture of all free-blooming colors. Pkt. 5c; oz. 60c.

**MAMMOTH FLOWERING**—Large flowering Grandiflora, all colors mixed, single fringed and ruffled. Pkt. 10c; oz. \$1.25.

**GIANT OF CALIFORNIA MIXED COLORS**—A special strain of this popular Giant flowered Petunia. The flowers measure up to 6 inches across and come in many lovely shades and markings generally beautifully veined. Not quite such profuse bloomers as their smaller flowering sisters, but the enormous size of the flowers more than outweigh this disadvantage. Pkt. 25c.

**DOUBLE MIXED**—Will come 70 per cent double from seed. Finest mixed. Pkt. 25c.



Double Diadem Pinks

## Phlox Drummondii

The annual Phlox occupies first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants which can readily be grown from seed. It will grow and thrive in any kind of soil if given a sunny position, but prefers a light, rich loam. Seed may be sown in the open ground any time after danger of frost is past.

**FIREBALL**—Flowers large, blood-red. Pkt. 10c; oz. \$1.50.

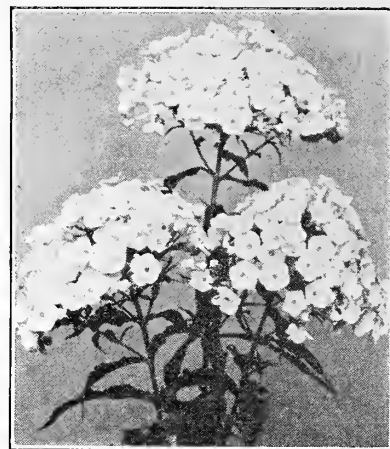
**SNOWBALL**—Large, clear white flower. Pkt. 10c; oz. \$1.50.

**STAR OF QUEDLINBURG**—Large flowers with curiously pointed and toothed blossoms having a star-like form, mixed colors. Pkt. 10c; oz. \$1.50.

**CHOICE MIXED**—Contains fine select varieties of this showy annual. Pkt. 5c; oz. 80c.

**MAMMOTH FLOWERING MIXED**—Pkt. 10c; oz. \$1.25.

**PERENNIAL MIXED COLORS**—Pkt. 10c; oz. \$2.50.



Snowball Phlox

**Pinks (Dianthus)** Hardy and half-hardy biennials and perennials, but nearly all blooming the first year from seed; of easy culture.

**CHINA DOUBLE MIXED**—A beautiful combination of colors. Pkt. 5c; oz. 50c.

**CLOVE PINK PLUMARIS**—The flowers are large, borne in a great variety of colors and markings, with fringed edges; sweet-scented, spicy fragrance. They are excellent, hardy plants. Pkt. 10c; oz. \$1.50.

**DOUBLE DIADEM**—A most brilliant mixing of colors of bewil-  
dering beauty. Pkt. 5c; oz. 80c.

**HEDEWIGII DOUBLE MIXED PINK**—Flowers very large and double and of various shades of brilliant colors. Pkt. 5c; oz. 60c.

**PHEASANT'S EYE OR GRASS PINK**—A single hardy perennial pink with light-colored flowers which have a dark center. Pkt. 10c; oz. \$1.00.



Shirley Poppies

**Poppies** Of very easy culture and they furnish some of the most brilliant colors in the garden. Being very hardy, they can be sown as early in the spring as the ground is in working order, and the annual varieties will flower from June on for some weeks.

**AMERICAN LEGION**—Brilliant orange-scarlet.....Pkt. 10c; oz. 50c

**FLANDERS**—Vivid red, well known Poppy of Flanders.....Pkt. 10c; oz. 60c

**DOUBLE FINE MIXED**—A combination of all varieties, single and double flowers. Pkt. 5c; oz. 35c.

**DOUBLE CARNATION FLOWERED**—Extra large and double.....Pkt. 5c; oz. 25c

**DOUBLE PEONY FLOWERED**—Annual variety; mixed; large, full, double fringed flowers. Pkt. 5c; oz. 25c.

**SHIRLEY**—These handsome flowers are single, beautiful in color, from pure white to deep crimson. Pkt. 5c; oz. 35c.

**DOUBLE SHIRLEY**—A new double Shirley.....Pkt. 10c; oz. 75c

**SINGLE PINK POPPY**—A beautiful satin pink.....Pkt. 10c; oz. 50c

**DOUBLE RED POPPY**—Fine scarlet shade.....Pkt. 10c; oz. 50c

**DOUBLE WHITE POPPY**—Purest white.....Pkt. 10c; oz. 50c

**ICELAND POPPY MIXED**—Dwarf perennial with single flowers in white, yellow and orange colors. Pkt. 10c; ½ oz. 75c.

**ORIENTAL POPPY**—Perennial, about 3 feet high, with large conspicuous deep crimson flowers. Pkt. 10c; ½ oz. 75c.

## DESIRABLE PLANTS FOR SHADY LOCATIONS

Antirrhinum, Canterbury Bells, Coreopsis, Digitalis, Pansies, Poppies (hardy), Aquilegia, Daisies and Delphinium.

## PLANTS FOR BASKETS, VASES, VERANDA BOXES

Alyssum, Dusty Miller, Centaurea, Lobelia, Nasturtium, Petunia, Coleus, Heliotrope, Pansy and Thunbergia.

## JAX FERTILIZER

The wonder plant food. Try it on your flower plants and watch them grow. Price: Bulk, 1 lb. 30c; 5 lbs. \$1.00. By mail, 10c lb. extra.





Salvia

plants in cultivation; the leaves when touched instantly fold up. Pkt. 5c; oz. 60c.

### Scarlet Runner Beans

A great favorite as an ornamental climber; has bright scarlet sprays of pea-shaped blossoms. Pkt. 5c; oz. 15c.

### Stocks (Gilliflower)

Useful annuals for bedding, borders, cut-flowers and pot culture.

**LARGE FLOWERING TEN WEEKS**—A fine large-flowering strain of many colors. Pkt. 10c; oz. \$1.00.

### Sunflower

Tall growing plants, with large and showy yellow flowers; hardy annuals.

**DOUBLE DWARF**—4 feet. Pkt. 5c; oz. 40c.

**GLOBE OF GOLD**—4½ feet. Pkt. 5c; oz. 35c.

**DOUBLE TALL**—7 feet. Pkt. 5c; oz. 35c.

**SINGLE**—5 feet. Pkt. 5c; oz. 35c.

**PURPLE SUNFLOWER** Pkt. 10c;

### Sweet Sultan

Fairly covered with beautiful scented blooms that will keep fresh for days. If planted at intervals, a constant succession of blooms may be had throughout the summer and fall; height, 2½ feet; easy to grow. H. A. Mixed colors. Pkt. 5c; oz. 50c.

### Sweet William

Makes an elegant display, producing a succession of flower clusters for several weeks, the colors vary, ranging from pure white to nearly black. If sown early will bloom the following fall; fall sowings bloom the next summer. Height 1½ feet.

**SINGLE**—Varieties; mixed; more attractive than the double. Pkt. 5c; oz. 50c.

**DOUBLE**—Mixed; a mammoth-flowered type of great beauty. Pkt. 10c; oz. 60c.

### Thunbergia (Black-Eyed Susan)

A beautiful tender climber, 3 to 5 feet high, with pale-yellow or orange-yellow flowers, having a distinct black center. Tender annual. Pkt. 10c; oz. 75c.

### Verbena (Hardy Annual)

Indispensable for bedding purposes, borders and window boxes. Borne profusely from June until frost. Flowers of most brilliant colors, blooming from early summer till late fall. Soak a few hours and sow in boxes indoors, transplanting when an inch high, or sow outside in April.

**CHOICE MIXED**—Embraces all colors. Pkt. 5c; oz. 80c

**MAMMOTH FLOWERED MIXED**—Embraces a wide range of the most beautiful colors, the clusters being of large size. Pkt. 10c; oz. \$1.25.

**FANCY MAMMOTH PINK** Pkt. 10c; oz. \$1.50

**MAMMOTH DARK BLUE** Pkt. 10c; oz. \$1.50

**MAMMOTH DARK PURPLE** Pkt. 10c; oz. \$1.50

**FANCY MAMMOTH BRIGHT CRIMSON** Pkt. 10c; oz. \$1.50

**FANCY LARGE PURE WHITE** Pkt. 10c; oz. \$1.50

### Vinca

Commonly called Periwinkle. Ornamental free-blooming, handsomely bushy plants, with glossy foliage and round single flowers, 1½ inches across. Blooms the first season from seed. Desirable for massing or borders.

**VINCA**—Mixed colors. Pkt. 10c; oz. \$1.00

**VINCA ROSEA**—Pink. Pkt. 10c; oz. \$1.25

**VINCA ALBA**—Pure white. Pkt. 10c; oz. \$1.25

### Wallflower

Very conspicuous in beds or borders, and are very useful in making bouquets. They are deliciously fragrant; single mixed. Pkt. 5c; oz. 50c.

### Wild Cucumber Vine

Ornamental climbing cucumber with curious fruit; remarkable for its luxuriance and rapidity of growth. Pkt. 5c; oz. 35c.

### Ricinus Zanzibariensis

Leaves very large, making a brilliant luster of bright green, red and bronze colors. Grows 10 to 15 feet high. Mixed colors.

Pkt. 10c; oz. 25c.

**MIXED RICINUS**—Pkt. 5c; oz. 20c.

### Rudbeckia (Golden Glow)

Fine free-flowering annual variety. The disc is brown, the florets golden-yellow, with large velvety-brown spots at the base. Very effective and useful for cutting. Pkt. 10c; oz. \$1.25.

### Salvia or Scarlet Sage

A standard bedding and border plant, keeping the garden bright with dazzling scarlet flowers during the summer and fall. Start early indoors and transplant in May; or sow outdoors later in a light rich soil. Soak the seeds before planting.

**CLARA BEDMANS**—Flowers of a most brilliant, dazzling scarlet; one of the finest. Pkt. 15c; ¼ oz. 75c; ½ oz. \$1.25.

**SPLENDENS** (Scarlet Sage)—The scarlet variety. Pkt. 10c; ¼ oz. 60c; ½ oz. \$1.00.

**PATENS** (Blue Sage)—In color this is as blue as the "Scarlet Sage" is red; unlike the latter, however, it is not useful for bedding, but is a beautiful plant for the border. Tender perennials. 2 feet. Pkt. 10c; ¼ oz. 75c.

**ZURICH**—Compact-growing sort, forming handsome, symmetrical bushes, 15 to 18 inches tall, which are completely covered with scarlet flower-spikes. Pkt. 15c; ¼ oz. 75c.

### Salpiglossis (Painted Tongue)

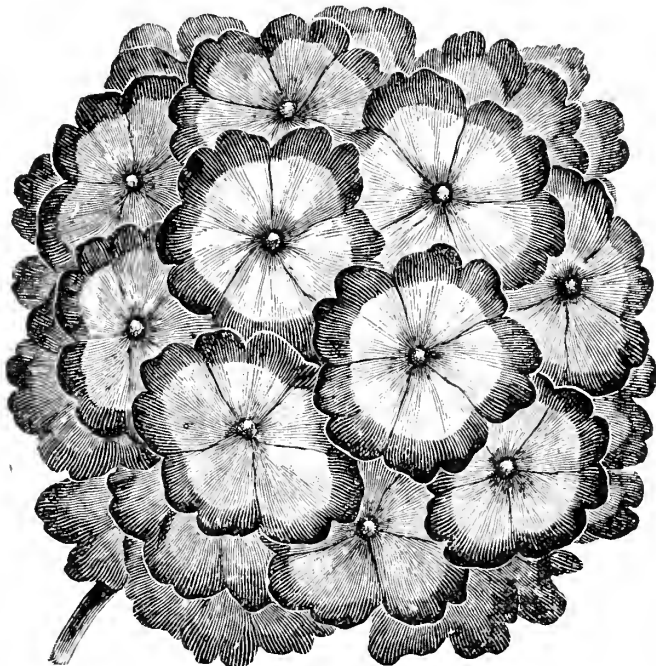
These annuals have showy, large, funnel-shaped flowers mottled, veined and self-colored. Mixed colors. Pkt. 5c; oz. \$1.00.

### Scabiosa (Mourning Bride)

A very showy, hardy annual. Fine for cutting and furnishing quantities of very bright blossoms all summer long in varieties of colors. Very easy to grow. Pkt. 10c; oz. 60c.

### Sensitive Plant

One of the most remarkable



Mammoth Flowering Verbena

### Wild Flower Garden Mixture

A delightful surprise to thousands of flower lovers; not a tame garden of wild flowers, but a wild garden of tame flowers. A mixture of the choicest seeds, mostly annuals, to be sown haphazard in a promiscuous way. Pkt. 5c; oz. 25c; ¼ lb. 80c; 1 lb. \$2.50.

### Annuals for Tall Beds, Groups and Back-grounds

Cosmos, Centaurea, Amaranthus, Marigold, Poppies, Ricinus, Salvia, Sunflower, Zinnias, Calendula and Calhopsia.

### Climbing Annuals for Verandas, Arbors, Trellises, Etc.

Balloon Vine, Cobaea, Cypress Vine, Gourds, Dolichos, Moonflower, Nasturtium, Morning Glories, Thunbergia, Sweet Peas.

### Plants Suitable for Edging and Low Borders

Aster, Ageratum, Alyssum, Daisies, Candytuft, Lobelia compacta, Pinks (hardy), Portulaca, Forget-me-not, Verbenas.

For the Vegetable and Flower Garden, Lawns, Shrubby and Trees.

A highly concentrated odorless plant food made by Swift & Co. Produces wonderful results when making new lawns or top dressing old ones.

Vigoro produces more and more brilliant flowers, full foliaged shrubbery, delicious vegetables and leafy trees. It is the ideal plant food for whatever you grow. Write for descriptive pamphlet. Prices: 12 oz. pkg. 10c; 5 lbs. 50c; 25 lbs. \$1.75; 50 lbs. \$3.00; 100 lbs. \$5.00. By mail, 12 oz. pkg. 18c; 5 lbs. 65c.

**VIGORO**  
Specially prepared plant food

# RUSSELL-HECKLE'S TOP NOTCH ZINNIAS

Few garden annuals are more thoroughly satisfactory than Zinnias, particularly since in recent years greatly improved, larger flowering and more brilliantly colored strains have been developed. Plant early in rows  $1\frac{1}{2}$  to 2 feet apart and cover the seeds about  $\frac{1}{4}$  inch deep, or start indoors and transplant outside when the ground is warm. Zinnias can be sown as late as July and they will produce fine large flowers in the fall.



R.-H. Co.'s Dahlia-Flowered Zinnia

## R.-H. Co.'s GIANT ZINNIAS

In this strain of Zinnias we have a flower of perfect form, round, full, double and immense in size. The individual plants form large bushes and bear above the foliage numerous flowers on long, stiff stems, which makes them valuable for cutting and will render them a favorite wherever tried. The plants grow  $2\frac{1}{2}$  to 3 feet high, while the flowers often measure 5 to 6 inches across.

Price, any of the following varieties uniform, as follows: Pkt. 10c; 3 pkts. 25c;  $\frac{1}{2}$  oz. 50c; oz. 80c; postpaid.

GIANT CRIMSON  
GIANT WHITE  
GIANT ORANGE  
GIANT SCARLET  
GIANT PINK

GIANT YELLOW  
GIANT SHRIMP PINK  
GIANT PURPLE  
GIANT LAVENDER  
GIANT MIXED

### SPECIAL OFFER

One 10c pkt. of each of above 10 varieties, only 60c.

One  $\frac{1}{2}$ -oz. pkt. of each of above 10 varieties, only \$2.75; postpaid.

**California Giant Zinnia** Still another new type, larger and a cross between the Colossal and Dahlia-Flowered Zinnia. Price: Any following varieties, pkt. 15c; any four pkts. 50c;  $\frac{1}{2}$  oz. \$1.00; oz. \$1.75; parcel post paid.  
**CERISE QUEEN**—Cerise red.  
**MISS WILMOTT**—Bright pink.  
**PURITY**—Snow white.  
**ENCHANTRESS**—Rose-pink.  
**ORANGE KING**—Deep orange.  
**SCARLET GEM**—Deep red.  
**CALIFORNIA GIANT MIXED**—All shades.

### SPECIAL OFFER

One packet of each of above seven California Giant Zinnias, only 70c, postpaid.

**Dwarf Zinnia** Largely used for bedding and borders. Price: Any variety, pkt. 10c; 3 pkts. 25c;  $\frac{1}{2}$  oz. 40c; 1 oz. 75c; postpaid.

DWARF PINK  
DWARF WHITE

DWARF YELLOW  
DWARF RED

DWARF MIXED—All colors.

## R.-H. Co.'s Double Dahlia-Flowered Zinnias

The latest development in Zinnias, bearing flowers of mammoth size and in form like a perfect decorative Dahlia. They are just as easy to grow as the Mammoth Zinnias, and the large flowers with their beautiful range of colors are simply indescribable.

Price of any of the following 12 varieties of Dahlia-Flowered Zinnias: Pkt. 15c; 6 pkts. 75c;  $\frac{1}{2}$  oz. \$1.00; 1 oz. \$1.75; postpaid.

**BUTTERCUP**—An immense deep creamy yellow flower. Glorious blooms for bedding or cutting.

**CANARY BIRD**—A delicate shade of primrose. Very large, holding its color well until out of bloom. A free bloomer.

**CRIMSON MONARCH**—Immense size, bright crimson-scarlet.

**DREAM**—A fine deep lavender, turning to purple. A rare and extremely pleasing shade. You will like it.

**EXQUISITE**—A pleasing shade of rose color, one of the finest pinks.

**GIANT ATTRACTION**—A distinct shade of brick-red which carries its color well from the bud, and forms into an immense ball of color when in full bloom.

**GOLDEN STATE**—Rich golden-yellow, shading to orange as the flower opens.

**ILLUMINATION**—Very bright red, large and showy.

**OLD ROSE**—A beautiful dark salmony-red or old rose.

**POLAR BEAR**—Extra large pure white; no other variety will equal same.

**PURPLE PRINCE**—Fine deep purple, large and well formed. New color in Dahlia type Zinnias.

**SCARLET FLAME**—A large, beautiful, bright scarlet with a blending of orange throughout the petal.

### SPECIAL OFFER

Twelve varieties of Dahlia-Flowered Zinnias, one packet each of the above 12 named varieties Dahlia-Flowered Zinnias. Regular value \$1.80, for only \$1.20, postpaid.

## Russell-Heckle's Special Mixture, Dahlia-Flowered Zinnia

Our special mixture of this new type of Zinnia is made up from the separate colors. The brilliancy of color and the giant size of the flowers will appeal to those wishing the best. Pkt. 10c; 3 pkts. 25c;  $\frac{1}{2}$  oz. 75c; 1 oz. \$1.50; postpaid.

**Double Picotee Zinnia** Mixed colors. Pkt. 10c;  $\frac{1}{2}$  oz. 70c; 1 oz. \$1.25; postpaid.

**Double Curled and Crested Zinnia** All colors, mixed. Pkt. 10c;  $\frac{1}{2}$  oz. 60c; 1 oz. \$1.00; postpaid.

**Choice Double Tall Zinnia** Fine mixture. Pkt. 5c; 6 pkts. 25c;  $\frac{1}{2}$  oz. 30c; 1 oz. 50c; postpaid.

## LOMA

Loma, the scientifically prepared plant food, will give you results that are startling. Lawns velvety green; flowering plants sturdy, full-bloomed and tall; vegetables such as you have never had before. Loma is rich in nitrogen. Loma works quickly. In a week's time you can see the difference in your lawn.

5-lb. Carton, enough for 10 ft. x 10 ft. .... \$ .50  
10-lb. Bag, enough for 10 ft. x 20 ft. .... .85  
25-lb. Bag, enough for 20 ft. x 25 ft. .... 1.75  
50-lb. Bag, enough for 25 ft. x 40 ft. .... 3.25  
100-lb. Bag, enough for 40 ft. x 50 ft. .... 6.00

## PLANT GUARD

If you are bothered with any chewing or sucking insects on your flower plants, use Plant Guard. A non-poisonous dry powder, safe to use and very convenient.

Plant Guard has been thoroughly tried out and is highly recommended. Keep it on hand and have it ready to use.

1-lb. pkg. 25c; 2-lb. pkg. 45c. By mail, 1-lb. pkg. 35c; 2-lb. pkg. 60c.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## SUMMER FLOWERING BULBS

### GLADIOLUS

**CULTURE**—Gladioli will thrive in almost any good soil except a stiff clay. They require full sunlight and are liable to injury only from rank manure. Plant the bulbs 6 to 9 inches apart, the large ones 4 inches and the small ones 2 inches deep. Make an early planting of the smallest bulbs first as soon as the ground is sufficiently dry and warm. Continue to plant at intervals of two weeks during the spring and early summer; in this way a succession of bloom may be had from midsummer until frost.

### NAMED GLADIOLUS BULBS

**AMERICA**—Soft lavender pink, very fine. Doz. 50c; 100 \$2.75; postpaid. Not prepaid, doz. 40c; 100 \$2.50.  
**ANNA EBERIUS**—Dark velvety-purple. Doz. 70c; 100 \$4.00; postpaid. Not prepaid, doz. 60c; 100 \$3.75.  
**BARON HULOT**—A really fine blue gladiolus, rich violet-blue. Doz. 75c; 100 \$4.50; postpaid. Not prepaid, doz. 65c; 100 \$4.25.  
**CHICAGO RED**—Brilliant scarlet; large, opens well. Doz. 60c; 100 \$3.50; postpaid. Not prepaid, doz. 50c; 100 \$3.25.  
**CHICAGO WHITE**—White with lavender markings in throat. Doz. 50c; 100 \$2.75; postpaid. Not prepaid, doz. 40c; 100 \$2.50.  
**EVELYN KIRTLAND**—Beautiful rosy-pink with scarlet blotch on lower petals. Very showy. Doz. 60c; 100 \$3.50; postpaid. Not prepaid, doz. 50c; 100 \$3.25.  
**E. J. SHALOR**—New beautiful rose-pink, slightly ruffled. Doz. 50c; 100 \$3.00; postpaid. Not prepaid, doz. 40c; 100 \$2.75.  
**GOLDEN MEASURE**—Rich yellow, large flowering, spike well filled with large blossoms. Doz. 85c; 100 \$6.00; postpaid. Not prepaid, doz. 75c; 100 \$5.75.  
**HALLEY**—Delicate rose, with a white blotch. Doz. 50c; 100 \$2.75; postpaid. Not prepaid, doz. 40c; 100 \$2.50.  
**HERADA**—A glistening pure mauve shade; immense in size. Doz. 60c; 100 \$3.50; postpaid. Not prepaid, doz. 50c; 100 \$3.25.  
**JOE COLEMAN**—Large, rich dark red color. Doz. 60c; 100 \$3.75; postpaid. Not prepaid, doz. 50c; 100 \$3.50.  
**LOS ANGELES**—Shrimp pink with orange throat, very attractive. Doz. 75c; 100 \$5.00; postpaid. Not prepaid, doz. 65c; 100 \$4.75.



America Gladiolus



Panama Gladiolus

**LOUISE**—Beautiful lavender shade. Doz. 75c; 100 \$5.00; postpaid. Not prepaid, doz. 65c; 100 \$4.75.

**MRS. FRANCIS KING**—Produces immense flamingo-pink blossoms. Doz. 50c; 100 \$2.75; postpaid. Not prepaid, doz. 40c; 100 \$2.50.

**PANAMA**—Darker pink than America and larger. Doz. 60c; 100 \$3.50; postpaid. Not prepaid, doz. 50c; 100 \$3.25.

**MRS. FRANK PENDLETON**—Flushed salmon-pink. One of the most popular varieties with the florists. Doz. 60c; 100 \$3.50; postpaid. Not prepaid, doz. 50c; 100 \$3.25.

**SCHWABEN**—Pure canary yellow, shaded sulphur-yellow. Doz. 60c; 100 \$3.75; postpaid. Not prepaid, doz. 50c; 100 \$3.50.

**VIRGINIA**—Rich, dazzling scarlet; makes a fine display. Doz. 60c; 100 \$3.75; postpaid. Not prepaid, doz. 50c; 100 \$3.50.

### SPECIAL OFFER OF GLADIOLUS BULBS

Above 18 Varieties Postpaid on Receipt of Price—2 each, 18 varieties, 36 bulbs, \$1.60; 4 each, 18 varieties, 72 bulbs, \$3.00; 6 each, 18 varieties, 108 bulbs, \$4.50.

### MIXED GLADIOLUS BULBS

**R.-H. CO.'S GIANT FLOWERING MIXED**—Made up from the best named sorts and comprises almost every shade in existence. This mixture is the finest Gladiolus that can be obtained from any source. Doz. 45c; 100 \$2.40; postpaid. Not prepaid, doz. 35c; 100 \$2.25; 500 \$9.00.

### PRIMULINUS MIXED GLADIOLUS

The most graceful of all Gladioli; very attractive in your indoor bouquet. The colors, which always harmonize, range from purest light-yellow to rich orange, from light pink to dark velvety-crimson. They bloom early and for a long time. Doz. 45c; 100 \$2.50; postpaid. Not prepaid, doz. 35c; 100 \$2.25.

### LILIES

Bulbs should be planted as soon as the frost is out of the ground; the earlier the better. Select well-drained spot, dig the soil deep and make it fine, enriching it abundantly with well-rotted cow manure, adding a liberal mixture of sand. Set the bulbs from 5 to 7 inches deep.

**LILIUM AURATUM** (The Golden Band Lily of Japan)—The flowers are pure white, while through the center of each petal runs a clear golden band. Each 45c; doz. \$4.25; postpaid. Not prepaid, each 40c; doz. \$4.00.

**LILIUM RUBRUM**—Petals are thickly dotted with rose or crimson spots and of graceful form and brilliant color. Each 45c; doz. \$4.25; postpaid. Not prepaid, each 40c; doz. \$4.00.

**REGAL LILY**—A real beauty, with large white flowers shading to yellow in the center, with a faint tinge of pink at the edges. Each 40c; 3 for \$1.10; doz. \$4.00; postpaid. Not prepaid, each 35c; 3 for \$1.00; doz. \$3.75.

### SELECT CANNA BULBS

**EUREKA**—The best white Canna, with bright green foliage, height 4 feet. Each 15c; 12 for \$1.20; postpaid. Not prepaid, each 10c; 12 for \$1.00.

**THE PRESIDENT**—Bright crimson, very large flower, deep green foliage; 4 feet. Each 15c; doz. \$1.00; postpaid. Not prepaid, each 10c; doz. 85c.

### SPECIAL OFFER

40 Canna Bulbs, only \$3.00

Ten each, Eureka, Hungaria, President and King Humbert; regular value \$4.20. Special offer \$3.00; postpaid.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



President Canna

**HUNGARIA**—The new pink Canna with green foliage, a beautiful shade of rose-pink; 4 feet. Each 20c; doz. \$1.50; postpaid. Not prepaid, each 15c; doz. \$1.25.

**KING HUMBERT**—Orange-scarlet, bronze foliage, 4 feet. Each 15c; doz. 90c; postpaid. Not prepaid, each 10c; doz. 75c.

**YELLOW KING HUMBERT**—Yellow dotted red, green foliage, height 4 feet. Each 15c; doz. \$1.00; postpaid. Not prepaid, each 10c; doz. 85c.

# RUSSELL-HECKLE **TOP NOTCH SEEDS** SEED COMPANY

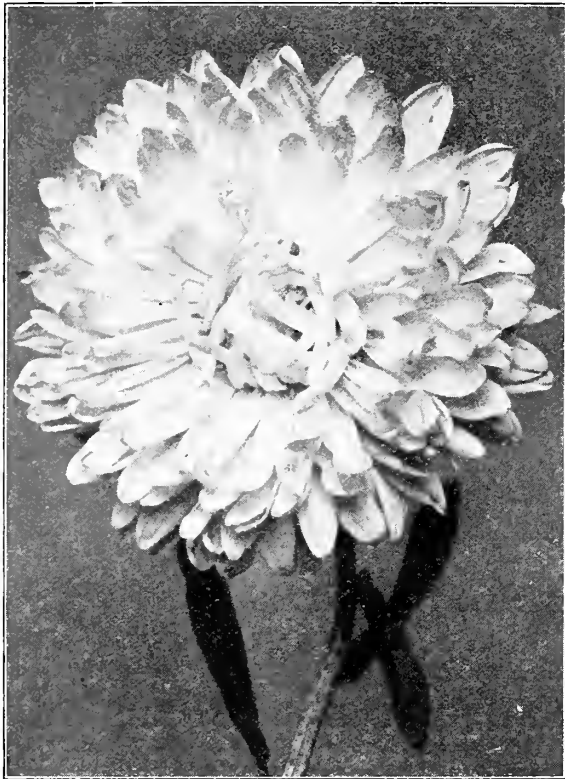
MEMPHIS, TENN

## DAHLIA BULBS, Separate Colors

These are all first size large bulbs in the following colors:

DOUBLE PINK	DOUBLE SCARLET
DOUBLE WHITE	DOUBLE YELLOW
DOUBLE PURPLE	DOUBLE STRIPED

Each 20c; doz. \$1.75; postpaid. Not prepaid, each 15c; doz. \$1.50.



Dahlia

## Fine Named Dahlias

The following are all first class varieties, the best of their color and well adapted to this section:

**AVALON**—Pure, clear yellow decorative Dahlia. One of the best of its color. Each 50c; 3 for \$1.35; postpaid.

**AMUNRA OR THE SUN GOD**—Mammoth size flowers of gorgeous copper and orange, shading to gold and amber. A beautiful decorative Dahlia. Each 75c; 3 for \$2.00; postpaid.

**BASHFUL GIANT**—One of the largest Dahlias yet introduced; a giant exhibition, decorative type; apricot with golden shadings. Each 45c; 3 for \$1.25; postpaid.

**BON**—A beautiful decorative type; color, brilliant rich blood red. A well-built large flower on long, stiff stems. Each 50c; 3 for \$1.35.

**EARL WILLIAMS**—Brilliant crimson-scarlet, each petal tipped with white; an early-blooming decorative Dahlia. Each 50c; 3 for \$1.35; postpaid.

**ISLAM PATROL**—Dark velvety crimson-scarlet, tipped and flushed with gold. One of the most brilliant decorative Dahlias. Each 75c; 3 for \$2.00; postpaid.

**JEAN CHAZOT OR GAY PAREE**—A wonderful golden-bronze with a faint touch of nasturtium-red and unsurpassed by any of the autumn tints as a cut flower. A hybrid cactus Dahlia of real merit. Each 50c; 3 for \$1.35; postpaid.

**LAMASCOTTE**—Silvery pink and reddish violet; a two-tone effective decorative Dahlia. Each 50c; 3 for \$1.35; postpaid.

**MARC AUREAU**—A finely formed flower of large size, beautiful sulphur yellow, shaded to lemon yellow. Decorative. Each 45c; 3 for \$1.25.

**RIVERTON SNOW**—One of the very finest and most perfect of the decorative white Dahlias. Each 50c; 3 for \$1.35; postpaid.

## Special Offer

One each of above 10 desirable named Dahlias, regular value \$4.35, sent postpaid for only \$3.75.

## FALL BULBS

Our Fall Catalog and Price List will be ready in September. We import direct from growers a very select stock of Dutch Hyacinths, Tulips, Narcissus, Crocus, etc. Don't fail to write for a copy of Fall Catalog.

**Peonies** Adapted for massing in beds, and particularly valuable for planting in groups throughout the perennial or shrubby border. An important point to observe in the planting of Peonies is not to plant too deep. The roots should be placed so that the crowns are covered with 2 inches of soil. Too deep planting is a frequent cause of shy flowering.

**Named Peonies** Extra fine varieties, all well adapted for the South. These are extra fine large bulbs.

**EUDULUS SUPERBA**—Very early, bright clear pink, called the Decoration Day Peony. Each 40c; 3 for \$1.10; postpaid. Not prepaid, each 35c; 3 for \$1.00.

**FESTIVA MAXIMA**—This is the finest white. Each 35c; 3 for \$1.00; postpaid. Not prepaid, each 30c; 3 for 85c.

**FELIX CROUSSE**—Dazzling ruby red, large. Each 65c; 3 for \$1.75; postpaid. Not prepaid, each 60c; 3 for \$1.60.

**KARL ROSENFELD**—Velvety-crimson, blooms of semi-rose type, very showy, beautiful flower. Each 80c; 3 for \$2.25; postpaid. Not prepaid, each 75c; 3 for \$2.10.

**MONS. JULES ELIE**—Very deep glossy-pink, shading to deep rose at the base; very large, showy blossom. Each \$1.00; 3 for \$2.60; postpaid. Not prepaid, each 90c; 3 for \$2.45.

**POMPONETTE**—Semi-rose type, mid-season, velvety pink, shaded carmine red, with brilliant reflex and silver-tipped border. Dwarf erect growth. Each 55c; 3 for \$1.50; postpaid. Not prepaid, each 50c; 3 for \$1.35.

## Special Offer

One each of the above six named Peonies, regular price \$3.70, sent postpaid on receipt of \$3.00.

## Peonies to Color

All showy bulbs, two to three good eyes. Double Crimson, Double Pink, Double White, Double Mixed. Each 30c; 6 for \$1.40; 12 for \$2.50; postpaid. Not prepaid, each 25c; 6 for \$1.25; 12 for \$2.25.

**Amaryllis** The Amaryllis produces showy flowers that are handsome and very attractive, resembling Lilies. The most suitable soil is good loam, with one-fourth part of leaf-mold, or pulverized manure, and some sand. Good drainage is very important. The growing season is from early spring until about September, when the plants should be kept cool and allowed to rest until February.

**AMARYLLIS JOHNSONII**—Crimson flower, each petal striped white. Each 50c; 3 for \$1.45; postpaid. Not prepaid, each 45c; 3 for \$1.25; 6 for \$2.10.

## TUBEROSES

**DOUBLE PEARL**—Doz. 50c; 100 \$3.40; postpaid. Not prepaid, doz. 40c; 100 \$3.00.

**ARMSTRONG'S EVERBLOOMING TUBEROSE**—A single sweet-scented early-blooming variety; blooms longer than the double. Doz. 55c; 100 \$3.60; postpaid. Not prepaid, doz. 45c; 100 \$3.25.



Caladiums or Elephant Ears

## CALADIUMS OR "ELEPHANT EARS"

**CALADIUMS**—Caladiums are most effective plants in cultivation for beds or for planting out upon the lawn. Small bulbs, each 15c; doz. 90c; postpaid. Not prepaid, by express, each 10c; doz. 75c.

Large bulbs, each 20c; doz. \$1.75; postpaid. Not prepaid, by express, each 15c; doz. \$1.50.

Mammoth bulbs, each 35c; doz. \$3.00; postpaid. Not prepaid, by express, each 25c; doz. \$2.50.

**Bleeding Heart** (*Dicentra Spectabilis*) One of the most beautiful hardy border plants. Flowers in early spring with rose-colored heart-shaped flowers on under side of stem. Perfectly hardy. Prepaid, bulb 50c; 3 for \$1.35.

## Madeira Vine

A beautiful, rapid-growing climber, bearing fragrant white flowers. Each 10c; 3 for 25c; doz. 90c; postpaid.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



## GENERAL SPRAY INFORMATION

### Russell-Heckle's Lubricating Oil Emulsion

For dormant spray to control scale, Oil Emulsion Spray has no equal; it creeps and covers every part of the tree; use it in February on a bright, warm day; avoid exposure to freezing.

Made according to formula in U. S. Farmers Bulletin No. 933: Use 1 gallon to 25 gallons of water. Price: Qt. 35c; ½ gallon 50c; 1 gallon can 65c; 5 gallon can \$2.50; 10 gallon \$4.50, f. o. b. Memphis.

### Russell-Heckle's Sunoco Self-Emulsifying Spray Oil

For dormant spray provides an economical, effective and complete control of scale insects, red spiders, leaf roller, aphids, thrips and other insects that over-winter on trees.

Sunoco Self-Emulsifying Spray Oil mixes with any kind of water and will not separate after once being emulsified. Dilute one part to 20 parts of water for dormant spray. 1-gal. can \$1.25; 5-gal. can \$5.00.

### Russell-Heckle's Peach Mix

A summer spray on Peaches and Plums, for use in place of self or home-boiled Lime Sulphur, for the control of brown rot, scab and leaf spot. Use 1 pound to 5 gallons of water, first application, when the husks fall and add two tablespoonfuls of Arsenate of Lead to each 5 gallons of spray mixture. Spray every two weeks with Peach Mix and add a little Black Leaf 40 and Arsenate of Lead. This is to control brown rot, scab, leaf curl, curculio and Oriental Peach Moth. Price: Peach Mix, 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.50; by parcel post, 1 lb. 35c; 5 lbs. \$1.15; 10 lbs. \$1.75.

### Russell-Heckle's Lime Sulphur Solution

One of the best fungicides for fruit trees, shrubs, etc., for the dormant or growing period. Full directions on cans. Gallon 65c; 5-gal. can \$2.50; 10-gal. can \$4.50.

### How to Spray Roses

First spraying should be done with Lime Sulphur, 1 to 6, during February. For aphids and lice, which most always destroy the spring blossoms, use Black Leaf 40, Volck Red Arrow, Shep's Spray, or Ever Green. For chewing insects use Arsenate of Lead, Slug Shot, Niagara Dust. For blight and mildew use Bordeaux Mixture, Sulphur, or Hammond's Grape Dust. Pomo Dust, Funtrogen, and Semesan will cure Black Spot or die back on roses.

### How to Spray Evergreens

When Evergreens like Arbor Vitae and Junipers begin to turn brown, it's red spider that is causing the trouble. Use at once four ounces of Fish Oil Soap and ½-pint Lime Sulphur, 1 teaspoonful Black Leaf 40 to one gallon of water. Volck is also a dependable spray for red spider and aphids. Ever Green insecticide will get rid of aphids and lice. Spray two or three times a few days apart.

### How to Spray Shade Trees

For Caterpillars early in the season, apply Tanglefoot around the tree. If tree becomes infested, use to one gallon of water two tablespoonfuls Arsenate of Lead and four tablespoonfuls of Lime. Spray tree twice thoroughly, a week apart.

## SPRAY CALENDAR

CROP	INSECTS AND DISEASES	MATERIALS	DILUTIONS		TIME TO SPRAY
			One Gallon of Water	50 Gals. of Water	
PEACH PLUM CHERRY	Scale, Insects and Leaf Curl	Lime-Sulphur Solution Oil Emulsion or Dry Lime Sulphur Sunoco Oil	1 pint ¼ pint 18 to 20 teaspoonfuls ¼ pint	5 to 7 gallons 2 gallons 12 to 15 pounds 2½ gallons	In the fall or in the spring before the buds swell. Add Bordeaux to Oil Emulsion to prevent leaf curl.
	Curculio	Arsenate of Lead	2 teaspoonfuls	¾ to 1 pound	Combine with summer peach spray when Curculio is present.
	Scab and Brown Rot, and to prevent Rot developing after fruit is picked.	Peach Mix., a special mixture replacing self-boiled Lime Sulphur Or use Dritomic Sulphur or Sulfocide	12 to 20 teaspoonfuls 1 tablespoonful	8 to 10 pounds 1 quart	1. When most of shucks are off. 2. Two weeks after shucks dropped. 3. Four weeks before picking, if necessary. 4. Week to ten days before picking. Very important.
	Borers	Paradichlorbenzene for Peaches only	1 to 2 ounces in a circle evenly distributed 2 inches away from trunk of tree		1. In the spring. 2. In the fall.
PEAR QUINCE	Scale Insects and Blister Mites	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	Dormant or delayed dormant. When the buds begin to swell. Sunoco is also fine for dormant spray; dilute 1 gallon to 20 gallons water.
	Psylla, Slugs, Scab and Codling Moth	Bordeaux Mixture or Dry Lime Sulphur or Lime Sulphur Solution Arsenate of Lead Sulphate of Nicotine	12 to 16 teaspoonfuls 5 to 6 teaspoonfuls 1½ pint 3 to 8 teaspoonfuls 1 teaspoonful	6 to 8 pounds 3 to 4 pounds 1¼ to 1½ gallons 1 to 1½ pounds ½ pint	1. Cluster or pink stage. 2. Calyx or petals fall. 3. Two weeks after petals fall.
APPLE	Scale Insects, San Jose, Oyster Shell and Blister Mite, Red Mite	Lime Sulphur Solution Oil Emulsion Dry Lime Sulphur or Sunoco Oil	1 pint ¼ pint 18 to 20 teaspoonfuls ¼ pint	5 to 7 gallons 2 gallons 12 to 15 pounds 2½ gallons	While the trees are dormant, either in spring or fall. Delayed dormant spray applied in spring when buds are showing silvery.
	Codling Moth, Curculio, Bud-Moth, Scab, Frog-Eye and Blotch	Lime Sulphur Solution or Dry Lime Sulphur and Arsenate of Lead	1½ of a pint 5 to 6 teaspoonfuls 3 to 8 teaspoonfuls	1¼ to 1½ gallons 3 to 4 pounds 1 to 1½ pounds	1. When buds show pink. (Important scab spray.) 2. When petals fall. (Calyx spray.) 3. Ten days to two weeks later. (Blotch.) 4. Four weeks after petals fall. (Blotch.)
	Later Codling Moth Broods Blotch	Arsenate of Lead Bordeaux Or Dritomic Sulphur	3 to 8 teaspoonfuls 12 to 16 teaspoonfuls	1 to 1½ pounds 8 pounds	Eight to ten weeks after petals fall and as often as necessary to keep fruit covered with Arsenate of Lead, and a fungicide where bitter rot is present.
	Aphids (Plant Lice)	Sulphate of Nicotine, 40% Red Arrow Spray	1 teaspoonful 1 teaspoonful	½ pint ½ pint	Combine with other sprays and apply when Aphids appear. Usually in delayed dormant sprays.
GRAPE	Black Rot Mildew	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	When shoots are 8 to 10 inches long, just before blooming.
	Berry Moth	Arsenate of Lead	3 to 8 teaspoonfuls	2 to 3 pounds	1. After the blossoms fall. 2. Ten days to two weeks later. 3. Just as berries begin to touch in the clusters.
	Black Rot Mildew	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	
	Leaf Hopper	Sulphate of Nicotine Blackleaf 40	1 teaspoonful	½ pint	Apply when first nymphs of the Hopper acquire wings.

CULTIVATE FRUIT TREES, GRAPE VINES, ETC.—KEEP THE HARROW IN THEM

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



# RUSSELL-HECKLE'S NURSERY DEPARTMENT

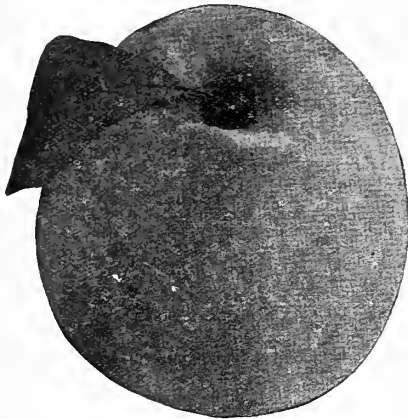
**CULTURE**—Set out small trees. They are more certain to grow and will bear fruit just as early as any larger or older tree. It is a mistake to reset any tree older than two years.

## CERTIFICATE OF INSPECTION

Issued annually by the Tennessee State Entomologist, showing freedom of our stock from San Jose Scale and other injurious insects and diseases, will be attached to every shipment.

**Terms:** Cash, F. O. B. Nursery. No trees shipped C. O. D.

Nursery stock is too large and bulky to be shipped as parcel post. It is important that express office be given.



Mayflower Peach

**Peach Trees** **FIRST GRADE TREES.** Four to five feet in height. Each 50c; 10 for \$4.00; 100 for \$30.00.  
**ORCHARD SIZE PEACH TREES**—Two to three feet, one year. Sold only in multiples of 10 of each variety. 100, \$15.00; less than 100, 20c each.

These ripen in succession as listed—Mayflower first, Krummel's Late last.

**MAYFLOWER**—(Free). The earliest peach known. Fruit medium size, entirely covered with red. Last of May.

**EARLY ROSE**—(Semi-Cling). Fruit of fair size, highly colored. Ripens about a week later than Mayflower.

**ARP BEAUTY**—(Free). The earliest of the yellow-fleshed peaches. Skin yellow, mottled with red. Early June.

**GREENSBORO**—(Free). Early; skin white with red cheek; large oblong in shape. June.

**CARMAN**—(Free). Creamy-white skin with red cheek. June.

**EARLY ELBERTA**—(Free). Large; yellow-fleshed. Follows Carman.

**HILEY**—(Free). Large size, white skin, tinted red. July.

**YELLOW HILEY**—(Free). Ripens along with White Hiley; large size, flesh deep yellow. Middle July.

**BELLE OF GEORGIA**—(Free). White skin with red cheek; flesh white. July.

**CHINESE CLING**—(Cling). Large, white, red cheek. July.

**ELBERTA**—(Free). Yellow skin with red cheek; flesh yellow and juicy. Middle August.

**INDIAN OR BLOOD CLING**—(Cling). Large size; dark red flesh. Middle till last August.

**J. H. HALE**—(Free). Deep red skin, yellow meated. Ripens a few days later than the Elberta.

**HEATH CLING**—(Cling). Firm white flesh. Last of August.

**KRUMMEL'S LATE**—(Free). Yellow tinted with red. Ripens in early September.

**Apples** **FIRST GRADE TREES.** Four to six feet in height. Each 50c; 10 for \$4.50; 100 for \$40.00.

**ORCHARD SIZE**—Two to three feet, tied in bunches of 10 and sold in multiples of 10. \$15.00 per 100; less than 100, 20c each.

**EARLY HARVEST**—Medium size, pale yellow, juicy. May and June.

**YELLOW TRANSPARENT**—Greenish-yellow skin; white flesh. One of the earliest to ripen. May and June.

**RED JUNE**—Deep red skin; white flesh, tender and very juicy. June and July.

**YELLOW HORSE**—Large; greenish-yellow skin; flesh acid. July and August.

**DELICIOUS**—Fruit large and easily identified by its sheep-nose shape. Skin dark red; flesh fine-grained. Late fall.

**MAMMOTH BLACK TWIG**—Tree hardy; not subject to blight. Fruit large red, of excellent quality; matures late.

**STAYMAN WINESAP**—Skin dark red; flesh crisp and juicy. October.

**WINESAP**—Good quality dark red skin; crisp, sub-acid flesh. September and October.

**YATES**—Skin dark red with white dots; flesh yellow; crisp and good. Winter.

**TRANSCENDENT CRAB**—This is one of the best and largest of the Siberian Crabs; the fruit is a bright yellow, striped with red; excellent for culinary purposes; immensely productive.

**Plums** **First grade trees,** 4 to 5 feet in height. Each 75c; 10 for \$6.50; 100 for \$60.00.

**ABUNDANCE**—(Japanese). Large; amber in color, changing to red. Ripens a week later than Red June.

**BURBANK**—(Japanese). Fruit large, deep red overlaying a yellow ground. Flesh deep yellow and very sweet. July.

**RED JUNE**—(Japanese). Deep red skin, light yellow flesh; sub-acid. A semi-cling, ripening in June and July.

**SHROPSHIRE DAMSON**—The most desirable preserving variety. Ripens August.

**WILD GOOSE**—(Native). Fruit large, red, richly acid. Ripens early.

**Figs** **First grade;** 3 to 4 feet. Each 75c; 10 for \$6.50; 100 for \$50.00.

**BROWN TURKEY**—Fruit fair sized, pear-shaped; skin coppery-brown. Very hardy.

**CELESTIAL**—Small, violet colored. Very prolific and of excellent quality. Hardest of all Figs.

**Cherries** **First grade,** 3 to 5 feet. Each 70c; 10 for \$6.00; 100 for \$50.00.

**GOVERNOR WOOD**—(Sweet). Large; light yellow skin with tinge of red. Ripens middle of May.

**EARLY RICHMOND**—(Sour). One of the earliest. Light red fruit. May.

**LARGE MONTMORENCY**—(Sour). Best variety for general planting. Large, bright red.

**Grape Vines** **Two-year plants.** Each 30c; 10 for \$2.50; 100 for \$20.00.

**CONCORD**—Bunch and berry large; blue-black in color.

**DELAWARE**—Small red and very sweet; most delicious in flavor.

**LUTIE**—An early, dark red grape. Fruit large.

**MOORE'S EARLY**—Ripens about two weeks ahead of Concord. Black.

**NIAGARA**—Berry large; white with rather tough skin.

**Scuppernong Grapes** **Two-year plants.** Each 60c; 10 for \$4.50.

**SCUPPERNONG**—Large bronze fruit; sweet, pulpy flesh.

**JAMES**—The largest fruit; black in color; very juicy and sweet.

**THOMAS**—Fruit medium size; dark red; very juicy.

**Pears** **First grade trees,** 4 to 6 feet in height. Each 75c; 10 for \$6.50; 100 for \$60.00.

**BARTLETT**—One of the best varieties. Large size; yellow, juicy, ripening last of July and August.

**LE CONTE**—A bell-shaped, yellow pear of good size. Ripens last of July and early August.

**SECKEL**—Small, sweet; yellowish-russet skin with red cheek. Ripens August.

**GARBER**—Very desirable for canning and preserving. Ripens in September.

**KEIFFER**—Fruit large, skin golden yellow with slight blushed cheek. Matures from September to October.

**PINEAPPLE**—Practically blight-proof and has proven one of the very best for Southern planting.

## The Baldwin Pear

A wonderful new introduction, absolutely blight-proof and the quality is fully equal to the Bartlett. The Baldwin pear will revolutionize the pear industry in this section. It has been the hope of all horticulturists that a non-blighting pear of good edible quality will be found, and at last it has been accomplished. Don't fail to plant some of this wonderful pear. Price shipped from nursery in lots of 5, \$1.50 each; 10, \$1.25 each. Price F. O. B. Memphis (none re-shipped), each \$2.00; 10, \$15.00.



Baldwin Pear

## THE MAHAN PECAN



Mahan Pecan

We take great pleasure in offering our customers the opportunity of securing trees of the new Mahan Pecan, a real horticultural sensation that is sweeping the country. We show a picture of a tree only 19 months after planting bearing over a pound of nuts. So far the nuts have brought wholesale over \$1.00 per pound. The Mahan nut is a giant in size, supreme in quality, thin shell, attractive to the eye. The tree is a vigorous grower, unusually large, beautiful foliage, prolific early bearer.

### PRICES

All size trees are the same price; first orders being given preference on the larger trees. Size of trees 3 to 4 feet. If you wish small trees, state so.

The Mahan Pecan is sold only under a special non-propagating agreement which must be agreed to by signing the agreement on order blank enclosed with this catalog.

The trees we offer are grown by the Monticello Nursery Co. and will be shipped direct from the nursery.

Price single tree.....Each, \$6.50      Price of 3 to 5 trees.....Each, \$5.50  
Price of two trees.....Each, 6.00      Price of 6 or more.....Each, 5.00

F. O. B. Nursery.

Extra order blanks with Agreement Blanks sent on application.

**Asparagus Roots** WASHINGTON—Price: 2-year-old roots, doz. 45c; 50 \$1.50; 100 \$2.50; postpaid. Not prepaid, doz. 35c; 50 \$1.25; 100 \$2.25; 1,000 \$15.00.

**Horseradish Roots** MALINER KREN (Bohemian)—Large, strong cuttings. 40c per dozen; \$2.50 per 100; \$15.00 per 1,000. If wanted by mail, add 10c per 100 for postage.

**Rhubarb Roots** Two-year roots, each 30c; 6 for \$1.40; 12 for \$2.35; postpaid. Not prepaid, each 25c; 6 for \$1.25; 12 for \$2.00. One-year roots, each 15c; 6 for 75c; 12 for \$1.25; postpaid. Not prepaid, each 10c; 6 for 60c; 12 for \$1.00.

**Strawberry Plants** Set in March and April in rows 3½ feet wide and 15 inches apart in the row. We can furnish any of the following varieties, but they will be shipped separate from any other trees or plants on our list. Plants ready in March.

**AROMA**—Large size; dark red and sweet.

**BIG JOE**—Similar but larger than Gandy. Glossy dark scarlet in color.

**EXCELSIOR**—Extra early; one of the best drought resisters.

**GANDY**—The last to ripen; a large, bright crimson berry.

**KLONDYKE**—A shapely, dark red berry of uniform size.

**LADY THOMPSON**—Widely planted over the whole country.

**PRICES**—Each Variety, uniform as follows: 50 plants 90c; 100 \$1.35; 200 \$2.50; 500 \$4.00; 1,000 \$6.35; postpaid. Not prepaid, 50 75c; 100 \$1.20; 500 \$3.75; 1,000 \$6.00.

**Grafted Pecans** First grade, 4-5 feet, each \$1.15; 10 for \$10.00; 2-3 feet, each 90c; 10 for \$8.00. Can't be mailed.

**FROTSCHER**—Medium to large size, nut rather long.

**SCHLEY**—Finest for eating. Nuts long, thin-shelled, well filled.

**STUART**—Nuts of good size; shell medium thin.

**SUCCESS**—Resembles Stuart, but larger. Nuts thin-shelled.

Write for special prices on larger quantities.

**Miscellaneous Trees, Etc.** All two-year grade.

**APRICOT TREES**—Two varieties.....Each, \$0.75

**MULBERRY TREES**—Two varieties.....Each .75

**NECTARINE TREES**—Two varieties.....Each .60

**JAPANESE PERSIMMON**.....Each .75

**QUINCES**.....Each .75

**ENGLISH WALNUT TREES**.....Each 1.00

**CHESTNUT, AMERICAN SWEET**.....Each 1.00

**BLUEBERRY PLANTS**.....Each .75

**Blackberry Plants** Price either of following varieties: 10 for 90c; 100 for \$6.50; postpaid. Not prepaid, 10 for 70c; 100 for \$6.00.

**EARLY HARVEST**—Good quality and bears early.

**ELDORADO**—Large, black fruit. Sweet, productive. Ripens very late.

**Dewberry Plants** Prices: 10 for \$1.20; 100 for \$7.90; postpaid. Not prepaid, 10 for \$1.00; 100 for \$7.50.

**AUSTIN**—Fruit large; vigorous grower.

**LUCRETIA**—Large; fine flavor.

**Raspberry Plants** Price any following varieties: 10 for 90c; 100 for \$6.90; postpaid. Not prepaid, 10 for 75c; 100 for \$6.50.

**ST. REGIS**—Red. Good size and well adapted for southern planting.

**CUTHBERT**—Red. Large size; firm, juicy.

**CUMBERLAND**—Black. The best of the black varieties; large.

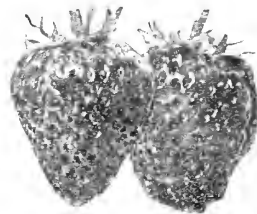
**Mallow Marvel—Hibiscus** A perennial of shrub-like growth with handsome, green foliage and giant flowers shaped like an Althea; produced throughout the summer. We can furnish in assorted colors. Prices: 40c each; \$4.00 per doz.

### Everbearing Strawberry Plants

**PROGRESSIVE EVERBEARING**—The best of the Everbearing sorts; berry dark red. Price: 25, 85c; 50, \$1.40; 100, \$2.15; 500, \$7.75; postpaid. Not prepaid, 25, 75c; 50, \$1.25; 100, \$2.00; 500, \$7.50; 1,000, \$12.50.

### Mastodon Strawberry

The world's greatest everbearing strawberry. In size and quality Mastodon heads the list. Price postpaid: 25 plants \$1.35; 50 \$2.15; 100 \$3.00. Not prepaid, 25 \$1.25; 50 \$2.00; 100 \$2.75; 500 \$10.00.



Klondyke

### SPECIAL VARIETIES BERRIES

**VAN FLEET RASPBERRY**—Vigorous, strong grower. Free from Mosaic disease; fruit dull red, medium size. Each 20c; 10 for \$1.25; by parcel post, 30c; 10 for \$1.50.

**YOUNGBERRY**—A hybrid of the Loganberry and the Austin Dewberry. Fruit pink, turning to wine color. Raspberry flavor. Each 20c; 10 for \$1.50; by parcel post, each 30c; 10 for \$1.90.

### HEDGE PLANTS

**AMOR RIVER PRIVET**—Almost entirely evergreen. Upright; dark green leaves. 18 to 24-inch. 25 for \$1.50; 100 for \$5.00.

**CALIFORNIA PRIVET**—Leaves dark green. May be trimmed as desired. 18 to 24-inch. 25 for \$1.50; 100 for \$5.00. Other sizes and varieties quoted on request.

**Yucca** (Bear Grass or Adam's Needle)—Its stiff, heavy foliage is evergreen and its creamy white flowers are produced on a stiff stem ranging 4 to 6 feet in height. Blooms during June and July and is adapted for many purposes, such as mass planting with shrubs. Price: 60c each; \$6.50 per dozen.

**Perennial Phlox** Hardy Plants—Bloom anywhere. Each 15c; 12 for \$1.50.

**CHAMPS ELYSEES**.....Fine, dark red.

**ECLAIREUR**.....Rose with purple tint.

**H. O. WIJERS**.....White with red eye; very showy.

**MRS. JENKINS**.....Flowers large, pure white.

**R. P. STRUTHERS**.....Cherry-red with salmon.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## FLOWERING SHRUBS

All hardy two-year field-grown plants.



Weigela Shrub

ALTHEA—Pink, purple, red, white. Each 50c.  
 BARBERRY, RED LEAVED—Each \$1.00.  
 BARBERRY, THUNBERGI—Dwarf green. Each 50c.  
 BUTTERFLY BUSH—Each 50c.  
 CALYCANTHUS—Sweet-scented shrub. Each 60c.  
 CREPE MYRTLE—Pink, purple, red. Each 75c.  
 DEUTZIA—Three varieties. Each 50c.  
 FORSYTHIA—Golden Bell. Each 50c.  
 GOLD FLOWER HYPERICUM—Yellow-flowered plant; compact, low in growth. Each 75c.  
 HONEYSUCKLE—Bush varieties; white and red. Each 50c.  
 HYDRANGEA—Hills of Snow, White. Each 75c.  
 HYDRANGEA—Large-flowering, white. Each 75c.  
 JAPAN QUINCE—Large shrub; scarlet flowers. Each 75c.  
 JASMINUM—Yellow Jasmin; blooms summer. Each 75c.  
 LILAC—Syringa, purple. Each 75c.  
 LILAC—Syringa, white. Each 75c.  
 MOCK ORANGE—Philadelphus; white; fragrant. Each 50c.  
 PEARL BUSH—Early, very showy; white. Each 75c.  
 PUSSY WILLOW—2-3 feet. Each 75c.  
 SNOW BALL—Common. Each 75c.  
 SPIREA ANTHONY WATERER—Blooms all summer. Red. Each 75c.  
 SPIREA VAN HOUTTE—Bridal Bower. Each 50c.  
 SPIREA PRUNIFOLIA—Bridal Wreath. Each 60c.  
 SPIREA THUNBERGI—Snow Garland. Each 75c.  
 SPIREA—Golden Leaf. Each 75c.  
 SPIREA—Lace-leaved; blooms late; white. Each 50c.  
 SPIREA—Blue; blooms summer till frost. Each 60c.  
 TAMARIX—Pink, feathery foliage. 2-3 feet. Each 60c.  
 WEIGELA EVA RATHKE—Dwarf flower; red. Each 75c.  
 WEIGELA ROSEA—Deep pink. Each 60c.

## SHADE AND ORNAMENTAL TREES

ASH, EUROPEAN—6 to 8 feet. Each \$1.00.  
 BIRCH, WHITE—8 to 10 feet. Each \$2.50.  
 DOGWOOD, RED—18 to 24 inches. Each \$1.75.  
 DOGWOOD, WHITE—2 to 3 feet. Each 60c.  
 DOUBLE-FLOWERING PLUM—Pink flowers; early. 75c.  
 ELM, AMERICAN WHITE—8 to 10 feet. Each \$1.50.  
 FLOWERING PEACH—Each 85c.  
 MAGNOLIA GRANDIFLORA—4 to 5 feet. Each \$2.00.  
 MAPLE, SILVER—8 to 10 feet. Each \$1.25.  
 MAPLE, SUGAR—8 to 10 feet. Each \$1.50.  
 MAPLE, NORWAY—6 to 8 feet. Each \$1.50.  
 MIMOSA—Small, flat topped, pink flowers. \$1.50.  
 POPLAR, CHINESE—8 to 10 feet. Each 85c.  
 POPLAR, LOMBARDY—8 to 10 feet. Each 85c.  
 PRUNUS PISSARDI PURPLE LEAF PLUM—Each 75c.  
 REDBUD, JUDAS TREE—5 to 6 feet. Each \$1.00.  
 REDBUD, JAPANESE—3 to 4 feet. Each 75c.  
 TULIP POPLAR—5 to 6 feet. Each 75c.  
 UMBRELLA TREE, TEXAS (China). Each 75c.  
 UMBRELLA TREE, CATALPA BUNGEI—4 feet. Each \$1.50.  
 WEEPING MULBERRY—2 years. Each \$2.00.

## EVERGREEN SHRUBS

All strong plants.

ABELIA GRANDIFLORA—Attractive small pinkish-white flowers. Each 75c.  
 CAMELLIA JAPONICA—Glossy green; red, variegated white flowers. \$1.50.  
 CAPE JASMINE—Glossy green leaves; waxy white blossoms. Each 85c.  
 CAROLINA CHERRY—Large shrub; dark green foliage; yellowish-white blossoms. Each \$1.00.  
 DWARF BOXWOOD—Green foliage; for borders. Each 20c.  
 ENGLISH LAUREL—Medium size; broad green foliage; for background. Each \$1.50.  
 COTONEASTER—Tall-growing, dark green; has black berries in fall. Each \$1.00.  
 COTONEASTER—Low, spreading shrub; white flowers followed by red berries. Each \$1.00.  
 EUONYMUS JAPONICA—Glossy dark green. Each \$1.00.  
 EUONYMUS SIEBOLDIANA—Upright, graceful; dark green leaves. Each 75c.  
 GOLD DUST SHRUB—Green leaves, spotted with yellow; ornamental. \$1.25.  
 NANDINA DOMESTICA—Upright, narrow leaves; red turning to dark green; white flowers followed by red berries. Each \$1.25.  
 PRIVET—Golden California. Each 75c.  
 PRIVET, LIGUSTRUM—Upright; very showy. Each \$1.00.  
 PRIVET, LUCIDUM—Dark green; very graceful. Each \$2.00.  
 PRIVET, NEPAUL—Spreading growth; dark green; ornamental. Each \$2.00.

## CONIFEROUS EVERGREENS

ARBOR VITAE, AMERICAN—Conical; 18 to 24 inches.....Each \$1.50  
 ARBOR VITAE, BAKER'S COMPACT—Pyramidal; 18 to 24 inches....Each 2.00  
 ARBOR VITAE, BONITA—Dwarf, cone shaped; 18 to 24 inches.....Each 2.50  
 ARBOR VITAE, CHINESE—Pyramidal; 18 to 24 inches.....Each 1.50  
 ARBOR VITAE, DWARF GOLDEN—Cone shaped; 12 to 15 inches...Each 2.00  
 ARBOR VITAE, GLOBE—Globe shaped; 12 to 18 inches...Each 2.00  
 ARBOR VITAE, PYRAMIDAL GOLDEN—18 to 24 inches...Each 2.25  
 ARBOR VITAE, PYRAMIDAL—Bright Green; 18 to 24 inches... 1.50  
 ARBOR VITAE, ROSEDALE—Cone shaped; 15 to 18 inches.... 1.50  
 ARBOR VITAE, TEXAS BLUE—2 to 3 feet. ....Each 2.00  
 CEDRUS DEODARA, INDIAN CEDAR—2 to 3 feet.....Each 2.50  
 ENGLISH JUNIPER—2 to 3 feet. ....Each 2.00  
 IRISH JUNIPER—18 to 24 inches .....Each 1.25  
 PFITZER JUNIPER—Extra fine; 18 to 24 inches.....Each 2.50  
 SAVIN JUNIPER—15 to 18 inches. ....Each 2.00  
 GOLDEN CYPRESS—18 to 24 inches.....Each 2.00  
 GREEN CYPRESS—18 to 24 inches.....Each 2.00  
 PLUME CYPRESS—18 to 24 inches.....Each 2.00  
 VEITCH SILVER CYPRESS—18 to 24 inches.....Each 2.50  
 COLORADO BLUE SPRUCE—12 to 15 inches. ....Each 2.50  
 NORWAY SPRUCE—Dark green; 18 to 24 inches.....Each 1.50  
 CANADIAN HEMLOCK—18 to 24 inches.....Each 2.50  
 Larger sizes quoted on request.

## CLIMBING VINES

HONEYSUCKLE, HALL'S—White flowers. ....Each .40  
 HONEYSUCKLE, SCARLET TRUMPET—Red flowers.....Each .40  
 BOSTON IVY—Fine, quick climber.....Each .50  
 ENGLISH IVY—Large green leaves.....Each .50  
 CLEMATIS, JACKMANI—Purple flowers. ....Each 1.00  
 CLEMATIS, PANICULATA—White flowers. ....Each .50  
 KUDZU VINE—Bright green; quick-growing. ....Each .35  
 VIRGINIA CREEPER—Large green leaves.....Each .50  
 WISTERIA—Purple or white. ....Each .75

## Spray Fruit Trees

AT THE PROPER TIME

Remember, you cannot raise good fruit unless you spray and fertilize them. See page 51 for spray chart. Our stock of spray materials and sprayers is complete. An insecticide for every insect—a sprayer for every purpose.



Sugar Maple

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## EVERBLOOMING BUSH ROSES

All two-year field grown hardy plants.

Set out Roses very early in the spring before the sap rises. They will be sure to grow and will bloom the first season. Remember these are all heavy outdoor-grown plants, two years old and they will please you.

All Roses will be pruned ready for planting.

Price, any variety: Each 75c; 10 for \$6.00. By mail, post-paid, each 85c; 10 for \$6.50.

## PINK ROSES

**COLUMBIA**—Clear pink deepening to a glowing-pink.

**JONKHEER, J. L. MOCK**—Large double, clear pink.

**KILLARNEY**—Large bud, fragrant carmine-pink.

**LADY ASHTOWN**—Carmine-pink.

**MAD. CAROLINE TESTOUT**—Clear satiny pink, large.

**MRS. CHAS. BELL**—Shell-pink with salmon shading.

**PAUL NEYRON**—Very large, dark rose-pink.

**PINK MAMAN COCHET**—Rosy-pink, a rich shade.

**PRESIDENT TAFT**—Intense deep pink.

**RADIANCE**—Brilliant rose-pink; very fragrant.

**WM. R. SMITH**—Salmon-pink blended with cream.

**WILLOWMERE**—A new beautiful pink.

## RED ROSES

**ETOILE DE FRANCE**—Velvety-crimson; very fragrant.

**FRANCIS SCOTT KEY**—Brilliant scarlet-crimson.

**GEN. JACQUEMINOT**—Free-blooming, shining deep red.

**GEO. C. WAUD**—Bright red, large full flower.

**GRUSS AN TEPLITZ**—Fiery crimson, shaded dark velvet.

**HADLEY**—Rich, velvety-crimson.

**HIS MAJESTY**—Bright scarlet; large; handsome.

**LAURENT CARLE**—Brilliant carmine.

**NATIONAL EMBLEM**—Deep crimson; full, double.

**RED RADIANCE**—Free bloomer; a clear red color.

## YELLOW ROSES

**ALEXANDER HILL GRAY**—Deep lemon-yellow; prolific bloomer.

**DUCHESS OF LUXEMBOURG**—Shaded orange, yellow and pink.

**JULIET**—Gold and red.

**LADY HILLINGDON**—Golden-yellow with long graceful stems.

**LOS ANGELES**—Rich, flaming pink, shaded golden-yellow.

**MADAM BUTTERFLY**—Yellow, shaded Indian-red.

**MME. FRANZISKA KRUGER**—Golden-yellow.

**OPHELIA**—Salmon, shaded rose; beautiful, opens full and double.

**SUNBURST**—Orange-copper; shaded to deepest golden.

## WHITE ROSES

**ANTOINE RIVOIRE**—Full and double, pointed buds.

**BESSIE BROWN**—Large, full white; double flowers.

**DOUBLE WHITE KILLARNEY**—Pure white, long, full buds.

**K. A. VICTORIA**—Glorious waxy white; very fragrant.

**SNOW QUEEN**—Sometimes called white American Beauty.

**WHITE COCHET**—White with a slight pink tinge.

**WHITE OPHELIA**—Very fragrant; semi-double.

## SPECIAL OFFER

One each of the 38 Everblooming Bush Roses listed for only \$20.00. Two each of the above Everblooming Bush Roses, 76 roses in all, for only \$38.50.

**German Iris** Commonly known as Flag Iris. Easily grown, long-lived plants that thrive on practically any soil and are perfectly at home in damp soil. Blooms in early spring; flowers large and showy, produced in many colors and shades. Each 25c; 6 for \$1.25. By mail add 5c each; 25c for 6.

**BLACK PRINCE**—Deep royal purple; very desirable.

**CRIMSON KING**—Rich, claret-purple.

**EL DORADO**—Standards rich, reddish-purple; falls bronze-purple.

**MRS. H. DARWIN**—White, base veined violet; falls purplish-crimson.

**PALLIDA DELMATICA**—Tall growing. Standards delicate lavender; falls lavender, shaded blue.

**ARCHEVEQUE**—Standards rich, reddish-purple; falls dark purple.

**QUEEN CATERINA**—Mid-season variety of clear orchid, purple veined, with bright gold and orange beard.

**ROSEWAY**—Deep red-pink, orange beard.

**Perennial Plants** Considering the amount of the investment, Hardy Perennials give more than most any other plant, and are growing in popularity rapidly.

**HOLLYHOCK**—Assorted colors. Each 15c; doz. \$1.50.

**LARKSPUR** (Delphinium Belladonna)—Each 25c; doz. \$2.50.

**CLOVE PINKS** (Dianthus Plumarius)—Mixed varieties. Each 15c; doz. \$1.50.

**SHASTA DAISY**—Each 25c; doz. \$2.50. By mail add 5c each; 35c per dozen.



Kaiserin Augusta Victoria Bush Rose

**Climbing Roses** All hardy field-grown plants, two years old, that will live and grow and bloom the first season if planted early in the spring. Each 50c; 10 for \$4.00. By mail, each 60c; 10 for \$4.50.

**CRIMSON RAMBLER**—Flowers in clusters of vivid-crimson.

**DOROTHY PERKINS**—Shell-pink, shading to deep rose.

**EXCELSA**—Red Dorothy Perkins. Dark crimson.

**FLOWER OF FAIRFIELD**—The everblooming Crimson Rambler.

**SILVER MOON**—Large, clear, silvery white.

**TAUSENSCHOEEN**—Shade flushed white and yellow.

**WHITE DOROTHY PERKINS**—Pure white; rapid grower.

**Special Climbing Roses** The following are six distinct types of Climbing Roses of proven merit; they deserve room in your collection. Each 75c; 10 for \$6.00. By mail, each 85c; 10 for \$6.50.

**CLIMBING AMERICAN BEAUTY**—One of the grandest climbing Roses of recent introduction. Glossy, dark green foliage and large, rosy crimson flowers; sweetly fragrant. Blooms throughout May and June.

**DR. WM. VAN FLEET**—A delicate shade of flesh-pink, deepening to rose-pink in the center. Flowers almost as large as those of a bush Rose.

**CLIMBING K. A. VICTORIA**—An ideal climber for the South; vigorous in growth. Long, pointed, pure white buds and pure white in open flower.

**MARY WALLACE**—A pillar Rose supporting itself by a bushy growth 6 to 8 feet high. Beautiful, long buds of clear rose-pink with salmon shading.

**PAUL'S SCARLET CLIMBER**—One of the most brilliant and satisfactory of all climbing Roses. Extra large flowers of vivid scarlet.

**CLIMBING LADY ASHTOWN**—Pink, one of the best.

## SPECIAL VARIETIES

**MARECHAL NIEL**—Golden-yellow climber; rich tea fragrance; a vigorous climber. Each \$1.00. By mail \$1.10.

**SOUV. DE CLAUDIUS PERNET**—Of recent introduction; a beautiful shade of sulphur-yellow. Bush, each \$1.00. By mail \$1.10.

**Japan Iris—Iris Kaempferi** These are exquisite flowers from Japan. The large, wide, rather flat blooms are borne on tall, green stalks and are of many varied colors and shades. They show every shade from pure white to deep purple and dark red. Our list is made up of finest assorted varieties. Prices, 25c each; \$1.25 for 6. By mail, 35c each; \$1.60 for 6.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



## INSECTICIDES AND SPRAY MATERIALS

Our service in this department is free; do not fail to come to us for any information needed in the spraying line. We keep up-to-date and have in stock the very newest and best materials for spraying at all times.

Poisonous insecticides and liquids are not mailable. Prices are F. O. B. Memphis, and subject to fluctuations, buyer paying carriage charges, excepting where priced parcel post paid.



### Acme All-Round Spray

Flowers, vines, shrubs, roses, vegetables, need protection. All Round Spray contains the three leading remedies used by all large growers, Arsenate of Lead, Nicotine Sulphate and Bordeaux Mixture. Complete directions in form of spraying guide attached to every package. 1/4 lb. pkg. 40c each. Not mailable.



### Acme Bait-M

An effective insecticide bait which will throw a ring of protection around shrubs, flowers and plants in garden and lawn. For use against snails, cutworms, sow bugs, grasshoppers and many other insects which migrate along the ground. 1 lb. 25c; 3 lbs. 60c; not mailable.

## Antrol

Kills Ants in the Nest

Destroys ants the right way; gets them at their source; safe, permanent, effective. Quickly destroys sweet eating ants. The ants smell the syrup and eat it, then transmit its mild poison to the queen, thus destroying the whole colony.

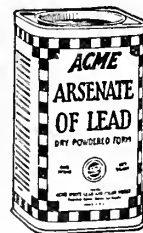
Prices: Antrol Sets

4 containers, 1 4-oz. bottle syrup.....\$ .95  
Antrol, extra containers.....10  
Antrol Syrup, 4-oz. bottle.....40  
Antrol Syrup, pint bottle.....90



Destroys aphids in two or three applications. For all plants subject to aphids or plant lice. All these sprays carry the noted Rosenbluth leaf fertilizer—Hortogen. Complete with spreader, ready for use. Simply mix with water.

Prices: 2 ounces 30c; 4 ounces 50c; 1/2 lb. 90c. By parcel post, 2 ounces, 35c; 4 ounces 60c; 1/2 lb. \$1.00.



### Arsenate of Lead

Kills every insect that eats it; superior in every way to Paris Green as it does not burn or scald the foliage; can be used dry as a powder or as a solution in water. 1/2 lb. 25c; 1 lb. bag 30c; 1 lb. carton 35c; 4 lbs. \$1.00. Not mailable.

### Bi-Sulphide of Carbon

For keeping weevils and other insects out of grain and cow peas. Pour in shallow vessel and place on top of grain, covering the container, as the fumes descend into the grain. 1 lb. 60c; 5 lbs. \$2.00; not mailable.



A nicotine solution for destroying aphids, lice, etc., on both garden and flowering plants. A teaspoonful makes 1 quart of solution. This is one of the most effective preparations for general sucking insects. Kills poultry mites. Oz. bottles 35c; 1/2 lb. pkg. \$1.25; 1 lb. pkg. \$2.25; 2 lb. pkg. \$3.75; 5 lb. tin \$7.00; 10 lb. tin \$11.85; not mailable.

### Blue Stone

BLUE STONE—Copper Sulphate Crystals for making home-made Bordeaux Mixture. 4 lbs. to 50 gallons of water. 10 lbs. \$1.20.



### BORDEAUX MIXTURE—DRY

The new form of Bordeaux will keep indefinitely; cures and controls blight. 1 lb. 30c; 4 lbs. 80c; not mailable.

### BORDEAUX AND ARSENATE

Controls at one spraying all fungus troubles and insects. Dry form, 1/2 lb. 30c; 1 lb. 50c; 4 lbs. \$1.60; not mailable. Paste, 1 lb. 45c; not mailable.



### Bug Death

Very safe, being non-poisonous; effective on all garden insects. Price by freight: 1 lb. 25c; 5 lbs. 75c; 12 1/2 lbs. \$1.50. Parcel post: 1 lb. 30c; 5 lbs. 95c; 12 1/2 lbs. \$1.85.

### Bug Death Alpha

Recommended for both sucking and chewing insects, especially effective for aphids or lice, non-poisonous. 12-oz. box 25c; by parcel post 32c.

### Calcium Arsenate

Recommended by all experimental stations for cotton boll weevil; also a sure remedy for army and other worms. 1 lb. 25c; 4 lbs. 80c. Larger quantities quoted on application.



### Copper Sulphate Solution

A first-class useful fungicide, and very handy. For mildew, blight and rust on fruit, flowers and vegetables. Especially recommended for blight on pear trees, black spot on roses, etc. To be diluted 75 times with water and sprayed. Used with general benefit. 1 qt. \$1.00; 1 gal. \$2.75; not mailable.

### Corrosive Sublimate

Used for treating sweet potatoes before bedding to prevent black rot and other fungus diseases. One ounce will make 8 to 10 gallons of water, enough to dip 8 to 10 bushels of sweet potatoes. 1/4 lb. 90c; 1/2 lb. \$1.40; 1 lb. \$2.50; 5 lbs. \$9.50; not mailable.



### CROW-TOX

A Crow Repellent

Crow-Tox protects corn from crows, blackbirds, moles, etc. It aids and hastens germination, which means healthier stalks and larger yields per acre. Crow-Tox will not kill birds or animals. Saves seed loss and replanting.

1-pt. can, treats 2 bushels seed corn, \$1.25.

1/2-pt. can, treats 1 bushel seed corn, 75c.

Postage, 10c each extra. Circulars on request.

### Cyanogas—A Dust

A simple way to get rid of pests. Use Cyanogas. Kills ants, rats, mice, moles, fleas, bed bugs, clothes moths, wax moths, pigeons, sparrows, chinch bugs on lawns, grape leaf hoppers, mealy bugs, melon aphids, etc. Cyanogas A Dust, 1 lb. 75c. Cyanogas is poison and cannot be mailed.



### Dritomic Sulphur

It is easy to handle and ready to mix and can be used with arsenate of lead with a small amount of lime added. The use of Dritomic Sulphur will prevent all diseases of apples; also insects and brown rot, and scab on peaches. 4-lb. pkg. 75c; by parcel post, 4-lb. pkg. 95c.



### Ever Green

Kills them all; safe to use on tender plants and blossoms, cannot burn, non-poisonous.

Ever Green, which is non-poisonous, will eliminate all dangers for you and at the same time control insects such as aphids, cutworms, squash bugs, potato bugs, caterpillars, beetles, etc., quickly, safely and economically. 1-oz. bottles 35c; by mail 45c; 6-oz. bottles \$1.00; by mail \$1.15.

### Fish Oil Soap with Potash



Prevents and cures aphids, lice and other troubles on plants trees.

Mixed with other spray materials makes them more effective. Acts as a spreader. Controls

scale. 1 lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.75; by parcel post, 1 lb. 45c; 5 lbs. \$1.70.

# RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

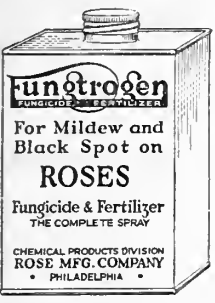
MEMPHIS, TENN

## Formalin

Used for treating oats, wheat, etc., to prevent smut; also to prevent potato scab. One pound will make 30 gallons of solution. By freight only. 1 lb. bottle 60c; not mailable.

## Forty-three for the Tree

Protects wounds, sticks and will not crack. When pruning heavy limbs apply 43 for the Tree. 1 lb. can 40c; by parcel post 50c; 5 lb. can \$1.50; by parcel post \$1.70.



## Fungitrogen

A highly concentrated fungicide that conquers mildew, controls black spot on roses and is an effective plant stimulant as well. 4 oz. 40c; parcel post 50c. 1/2 pint 60c; by parcel post 70c. Pint \$1.00; by parcel post \$1.15. Quart \$1.75; by parcel post \$1.95. Gallon \$5.40; not mailable.

## Grape Dust

Prevents and cures blight, also mildew, on all plants; very effective on roses; not poisonous. By freight, 1 lb. 25c; 5 lbs. 75c. By parcel post, 1 lb. 35c; 5 lbs. \$1.00.



For leaf-chewing insects—caterpillars, slug worms, Japanese beetles, etc.—and blights. A powerful insecticide. Used alternately with Fungitrogen. Both carry their own spreader. 4 oz. bottle 35c; by mail 45c; 1/2 pt. 75c; by mail 85c.

## Kayso

Prepared casein is a spreader and adhesive for use in connection with Lime Sulphur, Bordeaux and Arsenate of Lead. It makes the poison stick and resistant to washing effect of rains; also saves material. Two-pound package is sufficient for 50 gallons of spray. 8 oz. can 25c; 2 lbs. 60c; 10 lbs. \$2.50. By parcel post, 8 oz. can 35c; 2 lbs. 75c; 10 lb. bag \$2.75.



## Lime—Hydrated

When using Arsenate of Lead, Dinitomic Sulphur, etc., always add Hydrated Lime. This prevents burning of the leaves. Directions for adding lime to any insecticides are always given on the packages. Price: 5 lb. carton 30c; 40 lb. bag 85c. By parcel post, 5 lb. carton 50c.



## Lotol

The jelly form in convenient tubes. Kills aphids and all sucking insects. 1 oz. 20c; 3 oz. 40c. By parcel post, 1 oz. 25c; 3 oz. 50c.

## Lime Sulphur—Dry or Powdered



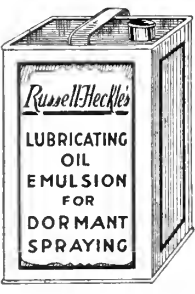
For dormant spraying against San Jose scale, peach blight and peach-leaf curl; for summer spraying against such fungus diseases as apple scab, pear scab and against red spider. 1 lb. pkg. 30c; 5 lb. pkg. \$1.00; 12 1/2 lb. pkg. \$2.00. By parcel post, 1 lb. 40c; 5 lbs. \$1.25; 12 1/2 lbs. \$2.35.

## Lime Sulphur Solution



A concentrated liquid form easily mixed. Simply add 9 gallons of water to 1 gallon of the solution. Mixes easier than the dry; will not clog the nozzle. Qt. 35c; 1/2 gal. 50c; gal. 65c; 5 gal. \$2.50; 10 gal. \$4.50. Not mailable.

## Lubricating Oil Emulsion



For dormant spray to control scale, Oil Emulsion Spray has no equal; it creeps and covers every part of the tree; use it in February on a bright, warm day; avoid exposure to freezing.

Made according to formula in U. S. Farmers' Bulletin No. 933—use 2 gallons to 48 gallons of water. Qt. 35c; 1/2 gal. 50c; 1 gal. can 65c; 5 gal. \$2.50; 10 gal. \$4.50, f. o. b. Memphis.

## Melrosine



Kills and prevents rose bugs, blister beetles, candle bugs; is effective and pleasant to use. It is one of the best non-poisonous insecticides. 6 oz. can 40c; by parcel post 50c.



## Paris Green

Known for its effectiveness. It must be used with care; 1 teaspoonful to 1 gallon of water will be safe. Add 2 tablespoonfuls of lime to prevent burning. 1/4 lb. 20c; 1 lb. 50c; 4 lbs. \$1.60; 14 lbs. \$4.75; not mailable.

## Pine Tar

A very useful preparation and should be kept on the premises at all times. For bruises on trees, Pine Tar is very effective. 1 lb. can 25c; not mailable.

## Para-dichlorobenzene

Peach tree borer control. Discovered at last, a sure cure for peach tree borer. Time of application, October 1st to November 30th. Para-dichlorobenzene must not be used on any trees under 4 years old, as it is very powerful and will harm young trees.



Prices: 1/2 lb. box 35c; 1 lb. box 50c; 5 lbs. \$2.00; 10 lbs. \$3.50. By parcel post, 1/2 lb. 45c; 1 lb. 60c; 5 lbs. \$2.25; 10 lbs. \$3.80.

## Peach Mix

A summer spray on peaches and plums, for use in place of self or home-boiled Lime Sulphur, for the control of brown rot, scab, and leaf spot. Use 1 pound to 5 gallons of water, first application, when the husks fall and add two tablespoonfuls of Arsenate of Lead to each 5 gallons of spray mixture. This is to control brown rot, scab, leaf curl, and curculio. 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.50 50 lbs. \$5.00. By parcel post, 1 lb. 35c; 5 lbs. \$1.15; 10 lbs. \$1.75.

## Plant Guard

A non-poisonous insecticide and fungicide, effective on potatoes, tomatoes, squash, cucumbers, and melon bugs. Plant Guard is an excellent repellent of beetles of all kinds, cut worms, etc. 1 lb. 25c; 2 lbs. 45c. By parcel post, 1 lb. 35c; 2 lbs. 60c.

## Pomo Dust

For black spot on roses, when the leaves on the rose plants turn yellow and have small black spots on them, causing them to drop off, you can correct this trouble which many think is blight with Pomo Dust. 1 lb. 50c; not mailable.



## Dust with Pomo-Green

For black spot on roses. Pomo Green is the leaf green dust that protects your roses and other plants without making treatment conspicuous.

Mildew, black spot, or chewing insects on roses are either controlled or prevented by its use.

Pomo Green is a specific control of many fungus diseases on Snap Dragon, Phlox, Sweet Peas, etc.

Protect the new growth on roses, etc., by dusting with Pomo Green once a week throughout the growing season.

1 lb. can 50c; 5 lb. carton \$2.00; not mailable.

## Pyrox

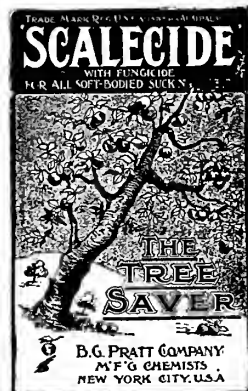
For leaf-eating insects and plant diseases. Pyrox is a combined insecticide and fungicide that kills bugs, prevents blights and rots, and improves the foliage. A pound makes 4 to 5 gallons; 10 pounds will spray an acre of potatoes or tomatoes. Not prepaid, 1 lb. 50c; 5 lb. pkg. \$1.75; 10 lb. pkg. \$3.00; 25 lbs. \$5.75; 100 lbs. \$14.50. Cannot be mailed.



## Red Arrow Spray



A new discovery, kills without burning; non-poisonous; effective against lice on turnip greens; leaf-hoppers and worms that bother cantaloupe and cucumber. 1/2-pt. can \$1.50; by mail \$1.65.



## Scalecide, Pratt's

Especially recommended for spraying trees in the dormant state. For San Jose Scale it is even more effective and spreads better than lime sulphur. For the dormant spray use one part scalecide to 15 parts of water. Not prepaid, qt. 65c; gallon \$1.50; 5 gallons \$5.75; 10 gallons \$9.50; 15 gallons \$11.00; not mailable.

## TREAT BEFORE PLANTING WITH SEMESAN FOR DISEASE PROTECTION

## Semesan Makes Seeds and Plants Healthy

SEMESAN is recommended by the American Rose Society for the treatment of brown canker and other diseases of rose bushes, such as mildew and black spot. It is recognized by growers everywhere as the most effective treatment for the control of damping-off diseases.

Prices: Semesan for Roses and also all small seeds—2 ozs. 50c; 1 lb. \$2.75.

Semesan Junior, for Corn: 4 ozs. 50c; 1 lb. \$1.75; 5 lbs. \$8.00.

Semesan Bel, for Potatoes and Bulbs: 4 ozs. 50c; 1 lb. \$1.75; 5 lbs. \$8.00. Not mailable.

See page 17 for further information.

### QUANTITY PRICES:

For quantity prices on Insecticides, see Green Ink List enclosed.

## Shep's Plant Spray



Kills and controls plant lice, thrips, leaf-hoppers, Harlequin bugs, red spiders, etc. If your muskmelon and cucumber crops are bothered with worms, use Shep's Plant Spray once a week. Kills lice on turnip greens, etc. 2-oz. bottle 35c; by mail 45c; 8-oz. bottle 75c; by mail 85c; 16-oz. bottle \$1.20; by mail \$1.35.

Directions for Using: Simply mix with water. (For proportions see directions on bottle.) Stir or shake for a few seconds until it forms a milk-white emulsion. Then spray on the plant. If you do not have a plant sprayer, use a small brush, dipping it in the solution and shaking it over the plant so that the spray reaches all parts.



## Snarol

Quickly Kills Garden Pests.

Science provides a new method that does the work safely and quickly; kills cut-

worms, snails, sow bugs, grasshoppers, slugs, etc.

Snarol is a ready-prepared meal that you simply broadcast on the ground around the growing plants. The pests eat the meal and are quickly destroyed. 1-lb carton 40c; 3-lb. carton 85c; not mailable.

## Slug Shot



Destroys all garden insects. Does not burn. Especially effective against cutworms and is not poisonous. Price, by freight: 1 lb. 25c; 5 lbs. 60c; 10 lbs. \$1.15. By parcel post, 1 lb. 30c; 5 lbs. 75c; 10 lbs. \$1.40.

## SULFOCID

(PRATT'S)—A sure preparation for the second spraying on peach trees. Prevents wormy fruit; does not burn and easy to use. Directions on each can. Pt. 65c; qt. 95c; gal. \$2.50; 5-gal. can \$8.25; not mailable.

## Sulpho-Tone

A summer spray on peaches and plums, for use in place of self or home-boiled Lime Sulphur, for the control of brown rot, scab, and leaf spot. Use 1 pound to 5 gallons of water.

No danger of burning, safe and effective. A dry powder that dissolves in water immediately. Full directions. 1 lb. 25c; not mailable.

## Sulphur—Powdered

Will prevent and cure mildew; should be used on all roses in the spring; apply dry. Also used for making self-boiled Lime Sulphur as well as dusting various field crops, such as strawberries, and cotton, and for the control of red spider, rust mite, etc. By freight, lb. 10c; 5 lbs. 40c; 10 lbs. 75c; by parcel post, lb. 20c; 5 lbs. 60c; 10 lbs. \$1.10.

## Sulpho Tobacco Soap

Kills all insects on plants; simple and effective. Also used as a spreader with other spray materials. Not prepaid, 3-oz. cake 10c; 3 cakes 25c; 8-ozs. 20c. By parcel post, 3-oz. cake 15c; 3 cakes 35c; 8 ozs. 30c.

## Sunoco Self-Emulsifying Spray Oil



For dormant spray provides an economical, effective and complete control of scale insects, red spiders, leaf roller, aphids, thrips, and other insects that over-winter on trees.

Sunoco Self-Emulsifying Spray Oil mixes with any kind of water and will not separate after once being emulsified; dilute one part to 20 parts of water for dormant spray. 1-gal. can \$1.25; 5-gal. can \$5.00.



## "Sure-Noxem"

One of the best vegetable insecticides in use. Especially recommended for destroying worms, beetles, leaf hoppers, aphids, etc. Lb. box 20c; 5-lb. pkg. 50c; not mailable.

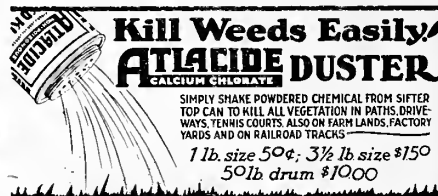
## Tobacco Dust

Especially desirable for use against lice and sucking insects. By freight, lb. 15c; 10 lb. \$1.00. By parcel post, lb. 25c; 10 lbs. \$1.30.



## Tree Tanglefoot

Use as a band on all kinds of trees; will prevent any kind of crawling insects on them. By freight: Lb. 50c; 5 lbs. \$2.25; 10 lbs. \$3.50; by parcel post, lb. 60c; 5 lbs. \$2.45; 10 lbs. \$3.85.



Atlacide Duster is non-poisonous, safe and easy to use. Kills all weeds and grasses. By parcel post, 1 lb. size, enough for 100 sq. ft., 60c; 3 1/2-lb. size \$1.65.



## Volck

A powerful insecticide used as a spray to overcome red spider, aphids, white flies, mealy bugs, etc. Volck is easy and pleasant to handle; does not burn and has no odor. Ask for circulars. 1/2 pt. 35c; pt. 60c; qt. \$1.00. By parcel post, 1/2 pt. 45c; pt. 70c; qt. \$1.15.

## Champion Tree Killer



For trees, shrubs and vines. Trees die quicker, stumps rot quicker than old method of deadening. Will kill Johnson grass, sprouts, grasses, etc. Guaranteed to do the job. Gal. \$1.25, f.o.b. Memphis.

## Miscellaneous Insecticides

ACME GARDEN GUARD—For all garden insects. Used as a dust—highly effective. 1 lb. 20c; 5 lbs. 75c; not mailable.

BEE BRAND INSECT POWDER—Can 25c; postpaid, 30c.

TUBER TONIC—For potato beetles, used as a spray. 1/2 lb. 25c; 1 lb. 40c; not mailable.

## RUSSELL-HECKLE'S SPRAY PUMPS

We handle several of the best lines of Orchard, Bucket and Compressed Spray Pumps. Every pump guaranteed to give satisfaction. We will make special prices on large jobs such as Power Sprayers, etc. Ask us for catalog.



### Barrel or Orchard Spray Pumps

**Myers No. R305B**—Attaches to the side of barrel. Price, with one lead, 15 feet of  $\frac{1}{2}$ -inch, 5-ply discharge hose, Vermorel nozzle and mechanical agitator, \$12.00.

**Myers No. R318B**—Has bronze ball valves and brass seats. Plunger is self-expanding and the cylinder and pipes are all brass. Price, with one lead of 15 feet of  $\frac{1}{2}$ -inch, 5-ply discharge hose, graduating Vermorel nozzle and mechanical agitator, \$12.80.



**Hudson Barrel Spray Pump No. 4A**—The Hudson Barrel Pump will maintain a working pressure of 200 pounds. Handles whitewash, cold water paints, disinfectants, insecticides, etc. Furnished with attachment for mounting on chime of barrel.

**No. 4A**—Pump, with 6-ft.  $\frac{3}{8}$ -in., 5-ply spray hose and 4-ft. extension rod—and angle Ideal nozzle, \$12.75.

Fitting for mounting on head of barrel, extra, \$1.95.



**Paragon Barrel Pump No. 540**—Paragon Spray Pump has the greatest and most necessary improvement on any sprayer.

The Paragon cannot clog; strainer is 4 inches long, and each stroke of the plunger removes any sediment, therefore the liquid that passes into the pump is always clean and does not clog the nozzle. Price, with 15 feet special spray hose, spray nozzle and agitator, \$9.00.

### Compressed Air Sprayers



**Auto Sprayers**—An excellent all-around sprayer. It has a simple and durable screw locking cap that permits of quick and easy loading of tank and instant air-tight locking. Two pumpings of 15 strokes will discharge tank under constant pressure.

**Auto No. 9B**— $3\frac{1}{2}$ -gal. brass tank, \$7.75; by parcel post, \$8.20.

**Auto 50D**—3-gal. galvanized tank, recommended as dependable, low-priced sprayer. Remember, it's guaranteed. Price, \$3.90; by parcel post, \$4.25.

**Myers Compressed Air Sprayers**—Made to meet all demands for a good, dependable Compressed Air Sprayer. Strong, durable, and easy to operate; made in two sizes.

**No. 2296**—Myers  $2\frac{1}{2}$  gal. with galvanized tank, each \$4.25; by parcel post \$4.65.

**No. 2297**—Myers  $4\frac{1}{4}$  gal. with galvanized tank, each \$5.25; by parcel post \$5.65.



**Hudson Junior No. 140 Sprayer**—The Junior Sprayer is designed for the man who wants an efficient, high pressure compressed air sprayer of smaller size.

**Hudson Junior No. 140G**— $2\frac{1}{2}$ -gallon galvanized tank. \$4.75; by parcel post, \$5.10.

**Hudson Junior No. 140B**— $2\frac{1}{2}$ -gallon brass tank, \$7.50; by parcel post, \$7.85.



**Hudson No. 110 Perfection Sprayer**—One of the most dependable outfits, strong and durable, with automatic nozzle that can be adjusted for any spray from finest to solid stream. The Hudson Sprayers are fitted with 12-inch extension rod.

**No. 110G**—4-gal. galvanized tank \$6.00; by parcel post, \$6.45.

**No. 110B**—4-gal. brass tank, \$8.75; by parcel post, \$9.20.



### Portable Sprayers

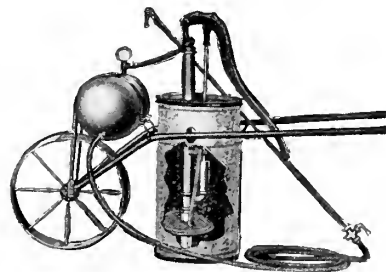


**Myers No. R336B**—Portable Sprayers—Capacity,  $12\frac{1}{2}$  gallons; tank made of heavy galvanized iron, equipped with portable wheelbarrow frame; has agitator, with 15 feet hose connection. Vermorel nozzle and 8-ft. pipe extension. Complete, \$19.50.

**No. R337B**—Two-wheel, with  $12\frac{1}{2}$  gal. tank, \$19.50.



**Hudson No. 36 Sunshine Sprayer**—This wheelbarrow sprayer fits the needs of the florist or nurseryman, because its width permits its use between the narrow rows. It is also adapted for orchards, vineyards, and for whitewashing. Capacity,  $12\frac{1}{2}$  gallons. Discharge equipment consists of 5 feet spray hose, angle nozzle and 2-ft. iron extension. Each \$14.50.

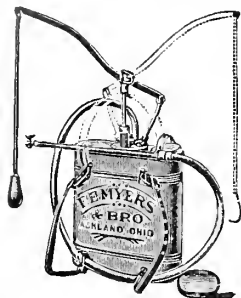


**Hudson Ideal Sprayer**—Portable outfit with one wheel, iron frame; capacity 12 gallons; one of the very best outfits made; comes with 10-foot spray hose, 10-foot extension rod, shut-off cock and nozzle. Price, Ideal No. 32 Sprayer, \$21.00. Price, Ideal No. 33 Sprayer, with compressed air tank, \$32.00.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

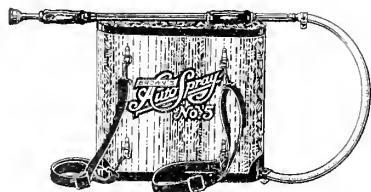


## Knapsack Sprayers



Myers No. R330  
Perfect Galvanized  
Knapsack Spray  
Pump—Fitted with  
5 feet of 3/8-in.  
hose, stop cock,  
pipe extension and  
nozzle, \$9.75

Myers No. R331  
Perfect Copper  
Knapsack Spray  
Pump—Complete  
with hose, stop  
cock, pipe exten-  
sion, and nozzle,  
\$14.00.



**Brown's Auto Spray No. 5**—Throws continuous  
sprays on both the up and down strokes and  
requires about one-half the energy of other  
pumps of this type.

	Not Postpaid	Post- paid
Price, with tank.....	\$7.25	\$7.75
Price, sprayer only.....	4.25	4.50
Price, galvanized tank only....	3.00	3.40
Price, extension elbow.....	.50	.60



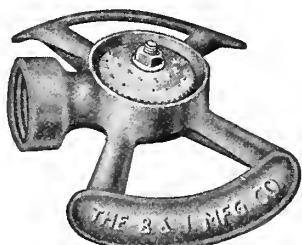
## Standard Brass Spray Pumps

This pump is the ideal all-purpose hand sprayer. Its field is practically unlimited as it may be used for spraying trees, vines, garden truck, potatoes and any field crops, and for handling whitewash and disinfectants. It is made entirely of brass, doing away with all danger of corrosion.

Price, sprayer only, not postpaid, \$4.75; postpaid, \$5.00.

Price, extension attachment, not postpaid, 75c; postpaid 90c.

## Lawn Sprinklers



No. 100—B. & J. Lawn Sprinkler—Throws water in a complete circle or half circle. Price, 50c; by parcel post, 60c.

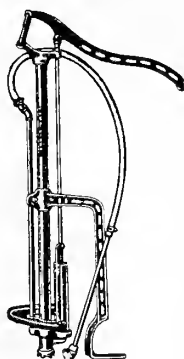
No. 65A—Brass Baby Ring Lawn Sprinkler—Each 40c; by parcel post, 45c.

No. 39—Whirling Showers Lawn Sprinkler—Each \$1.50; by parcel post, \$1.65.

## Bucket Spray Pumps



Myers No. 325



Hudson No. 126

**Myers Bucket Sprayers**—These spray pumps are constructed entirely of brass. They are so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the pump down. The foot rest steadies the pump, holding it in proper position.

**Myers No. 325 Bucket Pump**—Makes fine or coarse spray; all brass; provided with a good air chamber, \$3.50; by parcel post, \$3.80.

**Myers No. R324 Spray Pump**—A combination bucket and barrel spray pump; can be used either way; it has cog gear handle with large cylinder. Price, with nozzle, \$5.25; by parcel post, \$5.65.

**Hudson No. 126 Moro Bucket Pump**—A convenient portable outfit because it can be used with any bucket, pail or small tank. \$4.00 each; by parcel post, \$4.40.

**Auto No. 6 Bucket Sprayer**—The most useful sprayer for farm and home for spraying trees and shrubs; whitewashing stables and chicken houses; washing windows and automobiles. Each \$4.00; by parcel post, \$4.25.

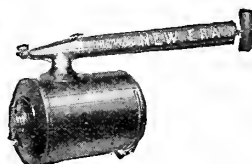
## Continuous or Compressed Air Hand Sprayers



**Brown's Auto No. 26 Continuous Sprayer**—Will spray insecticides continuously. There is no other machine like it for power, efficiency and easy operation. Unequaled for small garden and house plant sprays.

Handles all insecticides, fly and mosquito exterminators. Trouble-proof construction. Every part can be reached for quick and easy cleaning.

**Brown Auto No. 26A**—1-quart tin sprayers. Each 85c; by parcel post, \$1.10.



**Brown's Auto No. 23C Continuous Sprayer**—A continuous sprayer with 3-quart capacity; durable, simple, easy to clean, handles all kinds of insecticides and disinfectants; made of all-brass. Each, \$2.25; by parcel post, \$2.50.

## Continuous Hand Sprayers



**Brown's Auto No. 26AG Sprayer**—A new style, with glass tank, therefore can be easily cleaned. A continuous sprayer that is a real pleasure to use because it operates with so much ease. Price, No. 26AG, 1-qt. Continuous Sprayer, each, \$1.25; by parcel post, \$1.50.



**Hudson Continuous Atomizer**—A simple and effective continuous sprayer, with adjustable nozzle to make a solid stream or the finest fog as desired. The removable tube gives the operator every advantage of cleaning the sprayer.

No. 426—1-qt. tin tank, 75c; by mail, \$1.00.

No. 435—3-qt. galv. tank, \$1.50; by mail, \$1.80.

## Hand Sprayers

These are the single stroke sprayers that will give good satisfaction, are well made and with ordinary care will last well. Should be kept well oiled.



**Hudson No. 452**—1-qt. tin sprayers, each 45c; by parcel post, 70c.

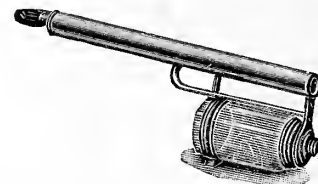
**Hudson No. 202**—1-pt. tin sprayers, each 25c; by parcel post, 45c.

**Acme No. 326**—1-qt. tin sprayer, each 45c; by parcel post, 70c.

**Acme No. 335B**—1-pt. tin sprayer, each 25c; by parcel post, 45c.

**Fly-Tox**—1-qt. litho. tin sprayers, each 40c; by parcel post, 65c.

**Fly-Tox**—1-pt. litho. Sprayers, each 25c; by parcel post, 45c.



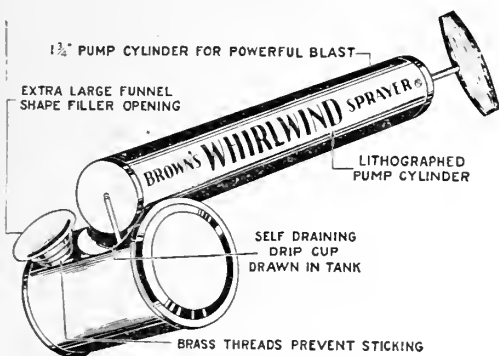
**Hudson No. 430**—1-Qt. Crescent Glass Jar Sprayers—Double discharge tubes throw a wide fan-shaped spray. Any Mason Jar fits them; easily cleaned. Price, with jar, 75c; by parcel post, \$1.00.

## Scollay's Rubber Plant Sprinkler

Nothing better for sprinkling plants indoors, self-filling, wets plants without spilling, made of very heavy rubber and has fine sprinkling cap. Each \$1.25; by parcel post, \$1.40.

# RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN.



**Brown's Whirlwind Sprayer**

A strong, well balanced, single acting atomizer. See specifications in the illustration. This is a dandy hand sprayer at a reasonable price. No. 28C, 1 qt., each 50c; by mail 70c.

## Spray Hose



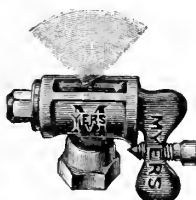
Our spray hose is made especially for spraying purposes.

3/8 inch spray hose, foot 15c; postpaid 20c; 15 feet for \$1.80; by mail \$2.00.

1/2 inch spray hose, foot 20c; postpaid 30c; 15 feet for \$2.25; by mail \$2.50.



No. 1559  
Myers Angle



No. 2097  
Bordeaux



No. 1  
Auto Pop



No. 1563  
Vermorel



No. 149  
Brass Shut-Off Cock



No. 168  
Hudson

## Wilson's Spray Masks



Protects the operator from inhaling any dry powder poisons. When using poisons be sure to use this mask. Each \$1.50; by mail \$1.60.

## Spray Nozzles

Myers Angle No. 1559—80c; postpaid 90c.  
Bordeaux No. 2097—\$1.00; postpaid \$1.10.  
Vermorel No. 1563—80c; postpaid 90c.  
Auto Pop No. 1—\$1.50; postpaid \$1.60.  
Hudson Perfection Nozzle—\$1.50; postpaid \$1.60.  
Hudson Angle Nozzle No. 168—75c; postpaid 85c.  
Brass Shut-Off Cock—\$1.00; postpaid \$1.10.



Male End Coupling—3/8 and 1/2 inch, 25c.  
Female End Coupling—3/8 and 1/2 inch, 25c.



## Extension Rods



2-foot Brass Extension Rod 50c; by mail 60c.  
4-foot Iron Extension Rod 75c; by mail 95c.  
8-foot Bamboo Extension Rod \$3.50.

## Spray Accessories

Leather Washers, Barrel Pumps..... 25c  
Leather Washers, Bucket Pumps..... 20c  
Leather Washers, Hand Sprayers..... 10c  
Rubber Gaskets for Comp. Air Sprayers... 10c  
Check Valves for Comp. Air Sprayers.... 10c  
Whirl Discs, Brass Screens and Steel  
Spray Caps for Spray Nozzles..... 10c  
Hose Clamps, 3/8 and 1/2 inch..... 05c  
Other repairs quoted on request.

Be sure to give name or manufacturer of pump when you order repairs.

## DRY POWDER DUSTERS



**Brown's Twin Blast  
Hand Sprayer**

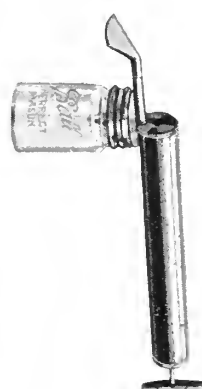
Has glass tank with double spray tube.  
1 qt. size, each 75c;  
by parcel post, \$1.00.



**Crystal  
Duster**



**Bellows  
Duster**



**Lowell No. 131  
Duster**

## Brown's Crystal Duster

This duster has a glass jar, which enables the operator to adjust the supply of material. Equipped with long extension and angle nozzle for dusting the underside of leaves. Capacity, 1 quart. Price \$1.50; by parcel post \$1.75.

## No. 313 Bellows Duster

Provides a uniform discharge by agitation of the bellows; strong and desirable. Each \$2.00; by mail \$2.20.

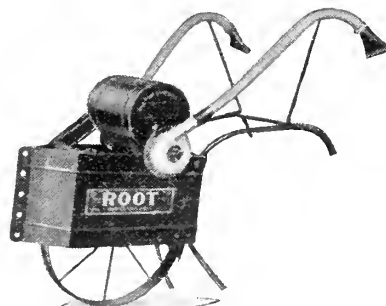
Lowell No. 131—Glass Jar Dry Powder Dusters. Pint size, each 50c; by parcel post 75c.

## Dickey Dry Powder Duster



Convenient for dusting Bug Death or other dry powders. Each 50c; by parcel post 65c.

## Root Dry Powder Dusters



Root Hand Dry Powder Dusters—On these dusters the nozzle can be reversed, throwing the poison behind the operator. Each \$18.00.

Root Saddle Gun—Complete with saddle. Each \$48.00.

Root Saddle Gun only, \$40.00.

Root Saddles and Brackets, \$10.00.

Root Dusting Cart—Complete. Each \$75.00.

## Hot House Sprinklers

2 3/4 inch face.....50c  
4 inch face.....85c  
By mail, 10c each extra.

All standard 3/4 inch connection for attaching to hose.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## R.-H. CO.'S FERTILIZERS

### How to Use Fertilizers

The best way to apply fertilizers to field crops is to use a fertilizer drill. Otherwise sow broadcast after planting, then harrow into the soil as thoroughly as possible. For all field crops, use 150 to 300 pounds per acre, according to the soil. For lawns and gardens use 4 pounds to 100 square feet.

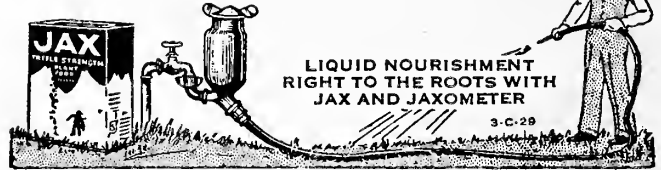
Fertilizers can always be used to good advantage by opening up the row, sprinkling thinly the fertilizer; then cover same with a little soil and then



sow your seed. Or, they can be used by working them into the soil along the rows after the plant is up, care being taken not to let it come in contact with the leaves or stem of the plant. For plants that are transplanted, work the fertilizer into the soil thoroughly before transplanting, using from a teaspoonful to a small handful, according to the size and nature of the plant. Fifty pounds of garden fertilizer is sufficient for a garden 40x50 feet.



Loma, the scientifically prepared plant food, will give you results that are startling. Lawns velvety green; flowering plants sturdy, full-bloomed and tall; vegetables such as you have never had before. Loma is rich in nitrogen. Loma works quickly. In a week's time you can see the difference in your lawn. 1 lb. 20c; mailed 30c; 5-lb. carton, enough for 10 ft. x 10 ft., 50c; mailed 65c; 10-lb. bag, enough for 10 ft. x 20 ft., 85c; mailed \$1.10; 25-lb. bag, enough for 20 ft. x 25 ft., \$1.75; 50-lb. bag, enough for 25 ft. x 40 ft., \$3.25; 100-lb. bag, enough for 40 ft. x 50 ft., \$6.00.



### Jax

The triple strength plant food contains 17% Nitrogen, 33% phosphoric acid and 17% potash and is completely water soluble. Gives quick and lasting results. Fine for lawns, flowers and vegetables, potted plants, etc. Diluted with water and applied, or sprayed through the Jaxometer attached to hydrant and hose. Also may be mixed dry with soil. Package 15 tablets 25c; 1 lb. 40c; 5 lbs. \$1.15; postpaid. Not prepaid, 1 lb. 30c; 5 lbs. \$4.00; 25 lbs. \$12.00; 100 lbs. \$48.00. f. o. b. Memphis. Jaxometers postpaid \$2.75; not prepaid, \$2.50.



### Vigoro

For a better lawn, more beautiful flowers and fine vegetables, you can rely on VIGORO.

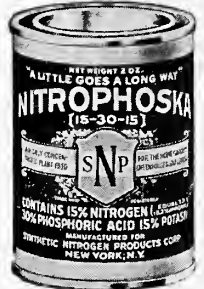
Scientifically balanced and complete, VIGORO is a specially prepared plant food. It contains all of the elements necessary to grow richly-colored flowers, velvety lawns, succulent vegetables, luxuriant shrubbery, and healthy trees.

VIGORO is odorless and clean. It can be applied by hand just like grass seed. Complete instructions and helpful suggestions are given in the "Home Beautiful" booklet enclosed in every bag. 100-lb. bag \$5.00; 50-lb. bag \$3.00; 25-lb. bag \$1.75; 5-lb. pkg. 50c. By mail, 5 lbs. 65c; 12-oz. pkg. 10c; by mail, 18c.

### Nitrophoska

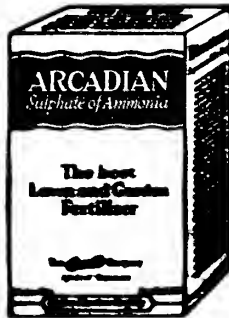
In Nitrophoska the three essential plant foods—nitrogen, phosphoric acid and potash are combined. It is a complete concentrated plant food containing 15% nitrogen, 30% phosphoric acid and 15% potash, three or four times the quantity which is found in ordinary fertilizers. The most economical and highly effective fertilizer for lawns, potted plants, seed beds, also the vegetable and flower garden, as well as shrubs, trees, etc., and field crops of all kinds. Send for complete literature for full information.

Postpaid: 1 lb. can 60c; 5 lbs. \$2.15; 10 lbs. \$3.25. Not postpaid, 1 lb. 50c; 5 lbs. \$2.00 10 lbs. \$3.00



### Sulphate of Ammonia

A wonderful fertilizer for lawn, garden or orchard. Guaranteed 25 1/4 per cent ammonia, highly concentrated, quick acting. Ammonia supplies nitrogen, the most essential plant food. One 2-lb. package of Arcadian contains as much nitrogen as 100 pounds of stable manure. Does not gather moisture. Always fine and dry. Full directions on package. Write for free pamphlets. 2-lb. pkg. 40c, prepaid. Not prepaid, 2 lbs. 25c.



### Calcium Nitrate

Contains both nitrogen (15%) and lime. It is one of the most soluble of all nitrogen fertilizers, even in dry season it feeds the growing crop. See blue section for more information. Prices on request.



### Floranid

The richest and purest nitrogen plant food. Clean, odorless, stainless, soluble in water and immediately available. Contains 46% nitrogen, three times as rich as Nitrate of Soda. It is easy to use and may be applied in combination with Nitrophoska which gives a quick and forcing action when this type of growth is desired. Highly recommended for the flower and vegetable garden, potted plants, trees, hedges and shrubs, lawns, etc. May be used by diluting with water or mixing dry with the soil. Postpaid, 1 lb. can 60c; 5-lb. can \$2.15; 10 lbs. \$3.25; not postpaid, 1 lb. can 50c; 5 lbs. \$2.00; 10 lbs. \$3.00.

### Cal Nitro

Supplies lime as a plant food; checks soil acidity and besides, contains 16% nitrogen. See blue section for full information.

### Land Plaster or Agricultural Gypsum

Sow Gypsum or Land Plaster on your alfalfa or lawn. Land Plaster will feed the lawn with sulphur and will furnish more nitrogen; both will be beneficial.

Land Plaster can be used for mixing insecticides at the rate of 1 pound of any insecticide to 50 pounds of Land Plaster.

Ask for booklet on "How and Why of Agricultural Gypsum."

Price: Land Plaster, 10 lbs. 30c; 100-lb. bag \$1.40, f. o. b. Memphis.

### Nitrate of Soda

Everyone that used Nitrate of Soda on the cotton crops was well repaid for the expense. Application of Nitrate of Soda on cabbage, lettuce, beets, etc., makes them more crisp and tender. Always remember that Nitrate of Soda must be used carefully, as it is a caustic and will burn plants if used too liberally.

It requires about 150 pounds of Nitrate of Soda to the acre.

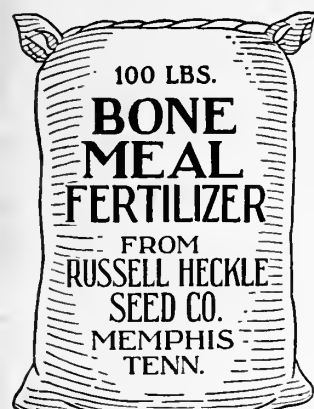
Prices: 5 lbs. 25c; 15 lbs. 75c; 25 lbs. \$1.00; not available.

For prices on larger quantities, refer to Green Ink List in this catalog.



# RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN



## R.-H. Co.'s Bone Meal Fertilizer

We guarantee our Bone Meal to analyze 24% phosphoric acid and not less than 2.47% ammonia. Bone Meal is an excellent fertilizer for all kinds of fruit trees, rose bushes, grape vines, bulbs, ferns, and other potted plants; and for grass crops. It is especially desirable for producing solid, firm growth, which is an important feature in fertilizing the orchard, shade trees, shrubs, etc. Fine for lawns. 5 lbs. 25c; 25 lbs. \$1.00; 100 lbs. \$3.25; by parcel post, 5 lbs. 45c.

## R.-H. Co.'s Sheep Manure

A pure, natural manure, free from all noxious weeds. Highly recommended and used largely as a fertilizer for lawns, potted plants, vegetables, flowers, etc. It furnishes a natural humus to the soil, giving immediate and lasting results. Easy to use and safe as it does not burn.

It may be used at the rate of 20 to 50 lbs. to every 1,000 square feet in a dry form, or 500 to 1,000 lbs. per acre.

Prices: 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 75c; 50 lbs. \$1.25; 100 lbs. \$2.25. By parcel post, 5 lbs. 45c; 10 lbs. 70c.



## Lawn and Garden Lime

Lime sweetens sour soil and gives nature a chance to release the potash which is natural in our soil.

Three to five pounds for a plot 10x10 or 100 square feet is about the right quantity for gardens.

Caution: Do not use bare hands and do not let any flying lime get into the eyes. If seeds are to be sown put lime on a week before planting. Apply the lime as early in the spring as possible.

Price: Lucky White Hydrated Lime, 5-lb. carton 50c, postpaid; not prepaid, 30c; 10 lbs. 65c postpaid; not prepaid 40c; 40-lb. bag 85c, f. o. b. Memphis.

## R.-H. Co.'s Commercial Fertilizers

Especially prepared for us. They excel in mechanical condition, are fine and dry and easily spread by hand in drill or broadcast. Our various brands are described below, quoted on request. Analysis about as follows:

	Phosphate	Nitrogen	Potash
Good Luck corn fertilizer.....	8%	4%	4%
Good Luck cotton fertilizer.....	8%	4%	4%
R.-H. Co.'s Special Cotton Mixture.....	10%	5%	3%
R.-H. Co.'s Early Trucker Fertilizer.....	8%	4%	4%
R.-H. Co.'s Acid Phosphate.....	16%		
R.-H. Co.'s Bone Meal.....	22%	2 1/2%	
R.-H. Co.'s Muriate of Potash.....			48%
R.-H. Co.'s Kainit.....			12%

Can furnish prices on other formulas.

Quantity Prices: For above prices on Fertilizers, see Green Ink List enclosed.



## Stim-U-Plant Plant Stimulant Tablet

Stim-U-Plant is an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash.

Price: 10 tablets for 10c; 30 for 25c; 100 for 75c; 1,000 for \$3.50. Postpaid, 10 tablets 15c; 30 tablets 28c; 100 tablets 80c; 1,000 tablets \$3.65.

## Granulated Peat Moss —G. P. M.

A moisture-retaining humus. Quickly decays so that it is available for plant food. It is excellent for potting bulbs and also for clayey soils, gravelly soils, flower beds, hotbeds, and as a winter protection for lawns. It is also good for mulching roses, perennial flower beds, evergreens, etc.

Prices—Not prepaid, trial bale containing 2 bushels (compressed) \$1.35; postpaid \$1.75. Not prepaid, large 20 bushel bale (compressed) \$3.75; 5 bales at \$3.60 per bale.



## SEED SOWERS - - FERTILIZER DISTRIBUTORS



Thompson's Wheelbarrow Seeder

## Thompson's Wheelbarrow Seeder

The fastest grass seeder on the market. Easy running and light weight, complete, only 50 pounds. The seed is never bunched. Seed is sown close to ground, hence the wind does not blow it. Sows when in gear and does not sow when out of gear. The safe, sure and economical way is with the Thompson Wheelbarrow Grass Seeder.

### No. 5 Double Hopper

Fourteen feet long, sows all seeds like Clover, Alfalfa, Timothy, and Lawn Grasses. Price \$14.00 each.

### No. 3 Double Hopper

Fourteen feet in length, having an extra deep Hopper. The No. 3 Seeder is the best for sowing Lespedeza Seed in addition to sowing Alfalfa, Clovers, Timothy, Grasses of all kinds, Millet, Rape, etc. Price \$14.25 each.



Cyclone Broadcast Seed Sower

## Cyclone Broadcast Seed Sower

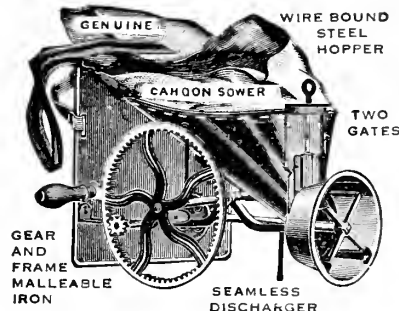
Will sow Timothy, Clover, Oats, Rye, Wheat, Millet, Grass Seeds, Peas, Sorghums, etc. Distributes evenly, works perfectly; has an agitating feed plate which insures a uniform flow of seed. Price, each \$2.00; by parcel post, \$2.20.



Horn Seed Sower

## The Horn Seed Sower

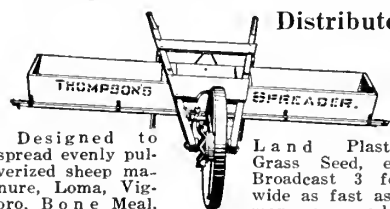
A splendid little tool, simple and easy to operate. Will sow any fine seed like Clover, Lespedeza, Timothy, Alfalfa and Grasses. Price, 95c; by parcel post, \$1.05.



## Cahoon Broadcast Seed Sower

One of the best seeders manufactured, and sows all kinds of grain, clover seeds, etc. Very strong and durable. Price, each, \$4.25; by parcel post, \$4.60.

## Thompson Fertilizer and Seed Distributor



Designed to spread evenly pulverized sheep manure, Loma, Vigoro, Bone Meal,

Land Plaster, Grass Seed, etc. Broadcast 3 feet wide as fast as a man can walk. Wind won't blow the material; will not mar lawns or greens. Capacity, 2/3 of a bushel. Ask for circulars. No. 112.....\$12.50

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



## FLOWER POTS — GARDEN TOOLS



### Flower and Bulb Pots

Prices the same on both styles.

2½ inch.....	Doz. \$ .25; 100, \$1.70
3 inch.....	Doz. .35; 100, 2.25
4 inch.....	Doz. .40; 100, 3.00
5 inch.....	Doz. .75; 100, 6.00
6 inch.....	Doz. 1.00
7 inch.....	Doz. 1.50
8 inch.....	Doz. 2.75
12 inch.....	Each .90

### FLOWER POT SAUCERS

6-inch.....	Doz. \$ .60
7-inch.....	Doz. .75
8-inch.....	Doz. 1.00

### Neponset Paper Flower Pots

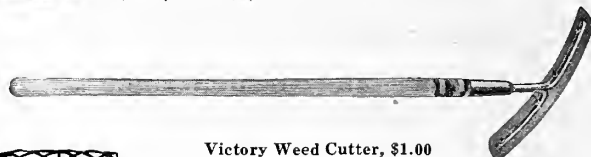
2½-inch .....100, 60c; 1,000, \$4.50; postpaid, 100, 70c  
3 -inch .....100, 75c; 1,000, \$6.50; postpaid, 100, 90c

### Wire Flower Baskets

8-inch.....	\$ .20; postpaid \$ .30
10-inch.....	.25; postpaid .35
12-inch.....	.35; postpaid .50
14-inch.....	.45; postpaid .65

### GREEN SHEET MOSS

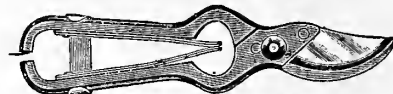
For lining hanging baskets, decorations, etc. Gives them an attractive green appearance. Postpaid, 1 lb. 60c; 5 lbs. \$2.50; 10 lbs. \$3.50. Not prepaid, 5 lbs. \$2.25; 10 lbs. \$2.75.



Victory Weed Cutter, \$1.00



Wire Flower Basket



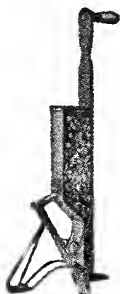
Hand Pruning Shear, \$1.00



Little Giant Weed Cutter, \$1.00



Two-Hand Corn Planter, \$1.00



One-Hand Corn Planter, \$1.25



8-Inch Hedge Shears, \$1.75

Asparagus or Dandelion Knife.....	Each \$ .50
Hudson 12-inch Hand Cultivator.....	Each .25
Hudson 48-inch Hand Cultivator.....	Each .50
Hand Garden Dibble.....	Each .75
Hedge Shears, 6-inch blade.....	Each .85
Hedge Shears, 9-inch blade.....	Each 2.00
Hudson 5-tooth Wheel Cultivator.....	Each 1.75

Rhodes Double Cut Pruning Tool.....	Each \$2.50
Moe's Telephone Tree Pruners.....	Each 1.25
Rhodes Tree Pruning Saw.....	Each 2.50
Virginia Curved Pruning Saw.....	Each 1.25
Pexto No. 110—8-inch Hand Pruning Shears.....	Each 1.50
Pexto No. 50—9-inch Hand Pruning Shears.....	Each 1.50
Lion Model B Hand Pruning Shears.....	Each 2.50



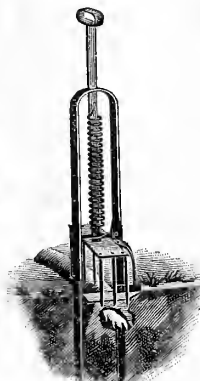
Price, Less Pole, 50c



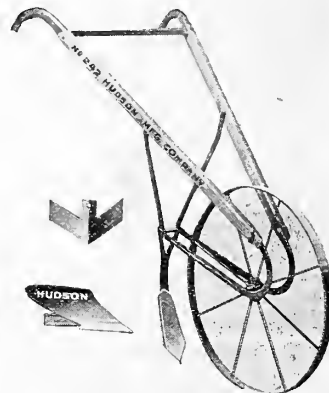
Long Handle Pruner, \$2.50



Cyclone Picking Bag, 75c



Mole Trap, 85c



Garden Plow, \$3.00

### Garden Rakes, Twine, Etc.

18-prong Wooden Lawn Rake.....	Each \$ .50
22-prong Wooden Lawn Rake.....	Each .60
Veneer Wooden Tree Protectors.....	100 1.75
Two-ply Jute Twine, ½ lb. balls.....	Dozen balls 1.20
Two-ply Jute Twine, 50 lb. coils.....	Each 9.00
Masters Plant Setters.....	Each 3.50
Bushel Stave Baskets, wire handle.....	Dozen 1.35

### Garden Weeders

No. 250 Excelsior 5 pt., hand.....	Each \$ .15
No. 219 Moe's Dandelion Weeder.....	Each .15
No. 860 Gilson 5 pt. hand.....	Each .10
No. 82 Moe's 5 pt. Claw Weeder.....	Each .15
No. 89 Moe's Lawn Weeder.....	Each .25
No. 96 Michigan Wire Weeder.....	Each .10
No. 829 Village 4 pt. 10 in. Weeder.....	Each .35
No. 830 Village 5 pt. 12 in. Weeder.....	Each .45

### Strawberry Boxes, Etc.

1-quart Strawberry Boxes.....	100, \$1.00
1-pint Strawberry Boxes.....	100, .90
3-quart Peach or Tomato Baskets.....	Doz. 25c; 100, 1.75

### Wooden Plant & Tree Labels, Plant Stakes

4-inch.....	100, \$ .40
6-inch.....	100, .60
Wired Tree Labels.....	100, .50
Peerless Galvanized Plant Stakes.....	Doz. 1.00
Galvanized Iron Dahlia Stakes.....4½ ft., each 15c; 5½ ft., each	.16
Green Bamboo Stakes.....4 ft., doz. 20c; 100	1.00

### Weed Pullers, Spades

No. 60 Rid-O Weed Puller.....	Each \$ .50
No. 10 Sure Grip Weed Puller.....	Each 1.20
No. 90 Triplex Trowel Weeder.....	Each .50
No. 200 Lawn King Grass Hooks.....	Each .50
No. 6 43-inch Handle Grass Hooks.....	Each .50
No. 240 Ladies' Steel Spade.....	Each 1.00

## RUSSELL-HECKLE'S DOG FOODS

We are headquarters for the best Dog Foods and sell at factory prices as we are carlot buyers. Our stocks are always fresh and dependable, all manufactured on a scientific, balanced ration basis. Our stocks are always fresh and dependable. It pays to use our prepared Dog Foods as your dogs will keep in better condition and health.



### Battle Creek Health Food for Dogs

Miller's A-1 Dog Ration is one of the best balanced dog feeds in the United States. It is fed to hunting dogs, police dogs, fox terriers, bull dogs and all other kinds—they all thrive on it. It is cooked and ready to use when received by dogs of all ages and breeds. Bulk, 1 lb. 10c; by parcel post, 18c; 6 lbs. 50c; by parcel post, 65c; 10 lbs. 75c; by parcel post, \$1.00; 25 lbs. \$1.50; by parcel post within second zone, \$1.95.

### Miller's A-1 Dog Biscuit

Miller's A-1 Dog Biscuits contain the necessary vital body and bone building elements in their proper proportions to sustain good health in your dogs. Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25 lbs. \$2.50; by parcel post within second zone, \$2.95.

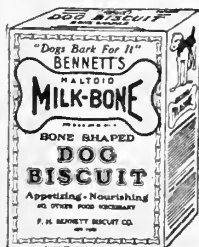
### Miller's A-1 Puppy Meal

Miller's A-1 Puppy Meal is especially adapted for the tender digestive organs of puppies. Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25 lbs. \$2.50; by parcel post, within second zone, \$2.95.

### Miller's A-1 Kibbled Biscuit

Miller's A-1 Kibbled Dog Biscuit is the same as whole only in broken form which makes it convenient for mixing with vegetables, meat, fish, soups, broths, etc. Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25 lbs. \$2.50; by parcel post within second zone, \$2.95.

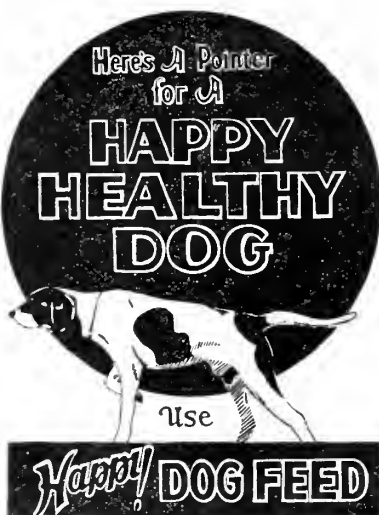
### Bennett's Milk Bone Dog Biscuit



A superior biscuit. Keeps dogs in good condition; is a complete, easily digested perfectly balanced food, suitable for all breeds. Per box 40c; by parcel post, 50c.

### BENNETT'S MILK BONE PUPPY BISCUIT

Especially prepared for puppies. They thrive and grow fat on Milk Bone Biscuits. Per box, 40c; by parcel post, 50c.



Happy Dog Feed contains the finest, dried buttermilk, and the sweetest meat meal for strong muscles; the choicest cereal products for energy and condition; and selected minerals for sturdy bones and strong white teeth.

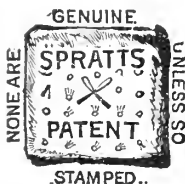
Happy Dog Feed comes to you uncooked. It can be fed dampened with warm water or cooked into a biscuit. Dogs like it and eat it readily in any form. 5 lbs. 40c; by parcel post, 60c; 10 lbs. 60c; by parcel post, 85c; 25 lbs. \$1.35; by parcel post within second zone, \$1.80.

### K. F. S. Kibbled or Broken Dog Biscuit



Contains cereals, vegetables. Cod Liver Oil, meat in larger proportions than most feeds, etc. It is a high-grade food at a reasonable price. A balanced ration. Prices: 1 lb. 15c; 8 lbs. \$1.00; 25 lbs. \$2.75. By parcel post, 1 lb. 22c; 8 lbs. \$1.20; 25 lbs., within second zone, \$3.20.

### Spratt's Dog Foods



These are always dependable and have been used by dog fanciers for over 39 years.

### Spratt's Dog Cakes

Spratt's Dog Cakes—2-lb. carton, 40c; by parcel post, 50c; 4 3/4-lb. cartons, 75c; by parcel post, 90c.

### Spratt's Puppy Cakes

Two-lb. cartons, 40c; by parcel post, 50c.

### Spratt's Puppy Meal

The standard weaning food. Also invaluable for dogs of any age out of condition. 2-lb. carton, 40c; by parcel post, 50c.



### Champion Dog Foods

Champion Dog Food is a complete and balanced diet for all ages and breeds of dogs. It is made from clean, fresh, wholesome ingredients. It contains a large content of fresh meat, white flour, whole wheat, corn meal and oat meal, iodine as a preventive of goiter, pure cod liver oil to furnish vitamins and prevent rickets, and various mineral salts to strengthen the bones.

### Champion Dog Biscuit

Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25-lb. bags, \$2.50; by parcel post within second zone, \$2.95.

### Champion Kibbled Dog Biscuit

(The broken small pieces.)

Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25 lbs. \$2.75; by parcel post within second zone, \$3.20.

### Champion Puppy Biscuit

Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25-lb. bags, \$2.75; by parcel post within second zone, \$3.20.

### Champion Puppy Meal

Bulk, 1 lb. 15c; by parcel post, 22c; 8 lbs. \$1.00; by parcel post, \$1.20; 25 lbs. \$2.75; by parcel post within second zone, \$3.20.

### Riteway Condition Powder



A tonic and conditioner for dogs, puppies and cats. Contains Calcium, cod liver oil and other minerals essential to proper digestion and general health. Should be fed before and after whelping. Produces rich milk and prevents rickets. 4-oz. pkg. 25c; postpaid, 35c; 16-oz. pkg. 75c; postpaid, 85c; 5-lb. pkg. \$2.00; postpaid, \$2.20.

PUTS PEP IN PUPS

## R.-H.Co.'s CANNED DOG MEAT—DOG REMEDIES



### Miller's A-1 Quick Lunch

A clean meat product designed to meet the needs of a quick lunch for dogs and puppies; rich in protein and organic matter. Can be used as a complete food, or with Miller's A-1 Ration. 1-lb. can 15c; 12 cans \$1.50; case 48 1-lb. cans \$5.50. By parcel post, 1-lb. can 23c; 12 cans \$1.80.

### Miller's A-1 Canned Meat



18-2½ lb. cans \$5.50; by parcel post, 2½ lb. can 55c; 6 cans \$2.30.



### Ken-L-Ration

The Dog Food Supreme.

These Foods Are Literally Full of Vitamins.

Composed of clean, wholesome meat, the best grade of cereals and Norwegian cod liver oil. A perfect balanced ration. 1-lb. can 18c; 6 cans 90c; case 48 1-lb. cans \$6.00; by parcel post, 1-lb. can 28c; 6 cans \$1.15.

### Pup-E-Ration

Is the perfect puppy food. Very rich in protein, calcium phosphate, cod liver oil and marrow fat. 1-lb. can 20c; 6 cans \$1.00; case 48 cans \$6.50; by parcel post, 1 lb. can 28c; 6 cans \$1.25.

### Hemo-Ration

Is a meat, blood, cereal and cod liver oil product. Ideal food for breeding stock, anemics and convalescents. 1-lb. can 20c; 6 cans \$1.00; case 48 cans \$6.00; 7-lb. cans 75c; case 6 cans \$4.20. By parcel post, 1-lb. can 28c; 6 cans \$1.25; 7-lb. can 95c.

### Maro-Meat

A clear meat-and-marrow product, to be mixed with other and lighter material. 2½-lb. can 40c; dozen cans \$4.00; case 18 cans \$5.75. Parcel post, 2½-lb. can 50c.

### Kit-E-Ration

The cat food supreme. A balanced ration, ready to serve. 1-lb. can 20c; 3 cans 50c; case 48 1-lb. cans \$6.00. By parcel post, 1-lb. can 28c; 3 cans 65c.

### Puppy Dinner

Made from clean, sound beef, an appetizing food that your puppy will relish and at the same time keep him in good condition. 16-oz. can 15c; 6 cans 80c; case 24 cans \$2.90. By parcel post, can 25c; 6 cans \$1.00.



REG. U. S. PAT. OFF.

### "Tet" (Tetrachlorethylene) For Worms

Tetrachlorethylene is endorsed by the U. S. Department of Agriculture as the safest known effective wormer for Dogs and Puppies. Prevents and cures Running, Barking Fits and Sore Mouth.

Price, per box (all large capsules for large size dogs), \$1.00.

Price, per box (all small capsules for small size dogs), \$1.00.

Price, per box (assorted capsules, for all size dogs), \$1.00.

### Delcreo Dog Remedies



The Delcreo Dog Remedies are in accordance with the latest and most successful developments of medical progress. They are accepted and endorsed by the leaders of the kennel world.

Delcreo—For Distemper and Black Tongue. 4-oz. bottle \$1.50; by parcel post \$1.60; 16-oz. bottle \$5.00; by parcel post \$5.25.

Cod Liver Oil—4 ozs. 50c; postpaid 55c; pt. \$1.25; postpaid \$1.35; qt. \$1.50; postpaid \$1.65.

Delcreo Eye Lotion—2 ozs. .50

Delcreo Flea Powder—3 ozs. .50

Delcreo Tonic—2-oz. bottle. .75

Delcreo Dog Soap—4-oz. cake. .25

Delcreo Laxative. .35

Delcreo Sulfminol—4-oz. bottle. .50

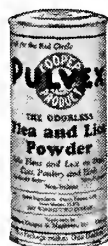
16-oz. bottle. 1.50

Sulphur Compound—4-oz. bottle. 1.00

Sulphur Bath—4-oz. bottle. 1.00

Delcreo Worm Capsules—For puppies, small dogs and large dogs. Box. .60

Ask for Delcreo Kennel Manual.



### KUR-MANGE

Kur-Mange is a fine powder, to be dissolved in water and applied either as a wash, bath or dressing. In addition to mange it is highly effective in curing many superficial skin diseases such as eczema and ringworm. Kur-Mange kills fleas, lice, ticks and mites in a single treatment. 3-oz. can 75c; by mail 85c.

### PULVEX

Pulvex is the new and remarkable dusting powder for animals and birds.

One application of Pulvex is enough, because Pulvex is thorough, because, unlike ordinary powders, it actually kills the insects, not merely stunning or stupefying them. Pulvex is different in every way from anything else you have ever used. It is better, safer and easier. 2-oz. box 50c. By mail 60c.

### SOPEX

Sorex is a satisfactory and safe combination Shampoo and destroyer of lice and fleas on dogs. A wonderful shampoo, that cleans the animal and adds lustre to the coat. Two applications of Sorex will absolutely rid your dog of every flea. Mix at rate of 4 tablespoonfuls Sorex to 1 gallon of warm water. Price, 4-oz. can 75c. By mail 85c.

### Q. W. Dog Remedies



#### Trade Mark

These well-known dog medicines are preferred by many kennel owners because they give results:

	Each	Postpaid
Q. W. Breeding Tablets....	\$2.00	\$2.05
Q. W. Condition Powder.....	1.00	1.05
Q. W. Constipation Pills.....	1.00	1.05
Q. W. Cough Mixture.....	1.00	1.05
Q. W. Diarrhoea Remedy.....	1.25	1.30
Q. W. Diserol, for Distemper.....	2.00	2.10
Q. W. Dog Soap.....	.35	.40
Q. W. Ear Canker Lotion.....	1.25	1.30
Q. W. Eye Salve.....	1.00	1.05
Q. W. Fit Tablets.....	1.25	1.30
Q. W. Flea Oil, Coat Grower.....	1.00	1.05
Q. W. Flea Powder.....	1.00	1.05
Q. W. Healing Salve.....	1.00	1.05
Q. W. Liniment.....	1.25	1.30
Q. W. Sulphur Compound.....	1.00	1.05
Q. W. Mange and Flea Soap.....	1.00	1.05
Q. W. Mange Lotion.....	1.00	1.05
Q. W. Cod Liver Oil Comp.....	1.25	1.30
Q. W. Rheumatism Tablets.....	1.00	1.05
Q. W. Tapeworm Mixture.....	1.00	1.05
Q. W. Tonic & Blood Builder.....	1.00	1.05
Q. W. Verminal.....	1.25	1.30
Q. W. Worm Capsules.....	.65	.70
Q. W. Worm Mixture.....	1.00	1.05



### Glover's Dog Remedies

	Each	Postpaid
Glover's Antiseptic Mouth Wash....	.65	.75
Glover's Blood Purifier.....	.65	.75
Glover's Canker Wash (for ears)....	.65	.75
Glover's Compound Sulphur Tablets.....	.65	.70
Glover's Condition Pills.....	.65	.70
Glover's Diarrhea Medicine.....	.65	.75
Glover's Digestive Pills.....	.65	.70
Glover's Expectorant Mixture.....	.65	.75
Glover's Eye Lot. & Eye Wash Powd.....	.65	.75
Glover's Flea and Insect Powder....	.50	.60
Glover's Hair and Mange Medicine....	.75	.85
Glover's Iron Tonic.....	.65	.75
Glover's Kennel and Flea Soap....	.25	.30
Glover's Laxative Pills.....	.65	.75
Glover's Liniment.....	.65	.75
Glover's Medicated Soap.....	.30	.35
Glover's Nerve Sedative (for fits)....	.65	.75
Glover's Round Worm Capsules.....	.65	.70
Glover's Round Worm Vermifuge.....	.65	.70
Glover's Sore Foot Medicine.....	.65	.75
Glover's Tape Worm Capsules.....	.65	.70
Glover's Tetrachlorethylene Capsules.....	.65	.70

Write for Glover's book on Dog Diseases.

## RUSSELL-HECKLE'S DOG REMEDIES

### Sergeant's Dog Medicines

# Sergeant's DOG MEDICINES

"A MEDICINE FOR EVERY DOG AILMENT"

	Each.	Post-paid.
Sergeant's Arsenic and Iron Pills.....	.60	.65
Sergeant's Canker Wash.....	.60	.65
Sergeant's Carbolic Tar Wash.....	.25	.30
Sergeant's Condition Pills.....	.60	.65
Sergeant's Disinfectant, 4 oz.....	.25	.35
Sergeant's Disinfectant, 1 qt.....	.75	.95
Sergeant's Diuretic Pills—		
Rheumatism.....	.60	.65
Sergeant's Expectorant Medicine—		
Coughs.....	.60	.65
Sergeant's Eye Wash.....	.60	.65
Sergeant's Intestinal Astringent—		
Diarrhea.....	.60	.65
Sergeant's Laxative Capsules.....	.60	.65
Sergeant's Liniment.....	.60	.65
Sergeant's Mange Medicine.....	.65	.75
Sergeant's Mouth Wash.....	.60	.65
Sergeant's Nerve Sedative—		
Running Fits.....	2.00	2.10
Sergeant's Pepsin Tablets.....	.60	.65
Sergeant's Puppy Worm Capsules.....	.60	.65
Sergeant's Shampoo Soap.....	.25	.30
Sergeant's Skip Flea Powder.....	.25	.35
Sergeant's Skip Flea Soap.....	.25	.30
Sergeant's Special Medicine—		
Distemper.....	1.20	1.30
Sergeant's Sure Shot Worm		
Capsules.....	.60	.65
Sergeant's Sure Shot Worm		
Liquid.....	.60	.65
Sergeant's Tape Worm		
Medicine.....	.60	.65

Write for Polk Miller's Dog Book.

### Calcium

Makes Puppies Grow Strong and Healthy

A mineral compound fed to the matron before and after whelping, supplying the essential element in milk which nature requires for the health of the mother and the rapid, vigorous growth of her offspring.



Calcium takes the place of green-bone food and prevents acid milk and rickets or softening of the bones. Calcium is not a complete food in itself, but a small amount being used in conjunction with the regular food. 1 lb. \$1.00. By parcel post, \$1.10.

### Clayton's Dog Remedies

Blood Purifying Pills	Worm Capsules
Chorea	Canker Lotion
Creolin Dog Wash	Cough Remedy
Diarrhea Liquid	Condition Pills
Eye Lotion	Digestive Tablets
Laxative	Fit Remedy
Puppy Tonic	Worm Bullets
Sulphur Tablets	Rheumatic Tablets
Vermifuge Liquid	Tapeworm Expeller
Vermifuge Tablets	Hair Tonic

All 25c each; parcel post 30c.

### Interno Mange Remedy

Interno is an internal remedy for mange and other skin diseases.  
Dog Mange Remedy—Box \$2.00, postpaid.  
Puppy Mange Remedy—Box \$1.50, postpaid.

### Areco

Guaranteed to remove tapeworm, including the heads, where they are known to be present. Simple and easy to administer. 75c, postpaid.

### Vitamil



A condition of yeast, cod liver oil, calcium phosphate, etc. Vitamil aids digestion, prevents rickets, helps to eradicate worms, and is a great in correcting and preventing running and barking fits, mange, and other ailments. Especially good for growing puppies; stimulates the appetite, builds bone and muscle.

To insure good healthy litters, give Vitamil daily to both the male and female for several weeks before mating.

Postpaid, 4 oz. can 55c; 1 lb. \$1.35. Not prepaid, 4 oz. 50c; 1 lb. \$1.25.

### Bradley's Submarine Worm Expeller

Gets the last worm. There can be no failure if directions are followed. Per box \$1.00; by parcel post \$1.10.

### Miscellaneous Dog Remedies

	Postpaid
Sanitas Animal Soap.....	Cake \$ .25
Sovrem—Black Tongue remedy.....	1.50
Viamin Tonic.....	.85

### Benbow's Dog Mixture

	Each	Post-paid.
40 capsules, 1/4 teaspoonful.....	.50	.60
24 capsules, 1/2 teaspoonful.....	.60	.75
15 capsules, 1 teaspoonful.....	.60	.75
4-ounce bottle.....	2.50	2.65
26-ounce bottle.....	4.00	4.25

## RUSSELL-HECKLE'S DOG COLLARS AND LEADS

### Flat Dog Collars

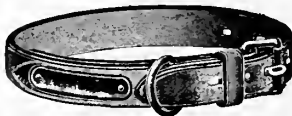


No. 101—A good, strong collar with name plate in assorted sizes. Price 50c each. By parcel post 60c.

No. 1—Very heavy leather collar with name plate, assorted sizes. Each 75c. By parcel post 85c.

No. 407—Flat collar, 1/2 inch width, assorted sizes. Each 50c. By parcel post 60c.

### Flat Tan Leather Collars



No. 403—Width 5/8 inch, length 14, 16, 18 inches. Each 75c; parcel post 85c.

No. 404—Width 1 inch, length 18, 20, 22 inches. Each 75c; parcel post 85c.

### Fancy Toy Dog Collar

No. 425—3/8-inch buckle, length 9, 10, 11, 12 inches. Each 50c; parcel post 60c.

### Fancy Round Leather Collars



No. 445—3/8-inch buckle, length 11, 12, 13 inches. Each 75c; parcel post 85c.

No. 436—3/4-inch buckle, assorted lengths. Each 75c; postpaid 85c.

### Fancy Flat Leather Collars

No. 414—Width 1/2 inch, assorted lengths. Each \$1.00; parcel post \$1.10.

### Dog Leads



No. 206 Dog Lead



No. 202 Dog Lead

No. 206—1/4 in. wide, flat tan leather lead, nickel snap, length 3 1/2 feet. Each 45c; parcel post 55c.

No. 58—5/8 inch wide, flat tan lead. Each 75c; postpaid 85c.

No. 202—Round braided leather lead, nickel snap, 3 1/2 feet long. Each \$1.00; parcel post \$1.10.

No. 204—Same style, for large dogs. Each \$1.50; parcel post \$1.60.

No. 200—White cord lead, closely braided, for small breeds; 4 feet long. Each 25c; parcel post 35c.

### Nickel-Plated Lead Chains

No. 3—Medium, 4 feet long.....Each \$1.00; parcel post \$1.10  
No. 5—Heavy, 4 feet long.....Each \$1.00; parcel post \$1.10

### Chain Choke Collars



No. 25B—24 inches long.....Each 75c; parcel post 85c  
No. 25C—26 inches long.....Each 75c; parcel post 85c

### Nickel-Plated Bench Chains



Nickel Plated Bench Chain

No. 18—Medium, 3 1/2 feet long. Each \$1.00; parcel post \$1.10.

No. 19—Heavy, 4 feet long. Each \$1.25; postpaid \$1.35.

### No. 185 Feeding Pan



Genuine Wear—Ever polished aluminum pan. Diameter, 6 1/2 inches. Capacity, 1 quart. Each 50c; parcel post 60c.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED



## R.-H. Co.'s BIRD CAGES

### Imported Canary Birds



Every singer we sell has been tested and known by us as a singer. We cannot send out on trial or exchange birds.

Hartz Mountain Open Mouth Singers, \$5.00 and \$6.00 each. St. Andreasburg Rollers, \$6.00 to \$7.50 each.

Female canaries for breeding, \$1.50 to \$2.00 each, f. o. b. Memphis. All birds shipped at owner's risk.

### R.-H. Co.'s Special Combination Cage and Stand in Assorted Colors



A strong, sturdy outfit that looks well, being handsome, showy and well finished. We can furnish both cage and Full Arch Stand in several attractive colors.

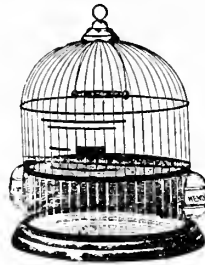
The cage comes complete with drinking and feed cups, perches. The stand is full arch, is heavy and strong. A neat cage spring is furnished with the outfit.

Price complete, cage and stand only, \$3.00; by parcel post, \$3.60.

Price of Bird Cage only, in several colors, \$1.65; by parcel post, \$1.90.

Price of Bird Cage Stand only, \$1.50; by parcel post, \$1.75.

### Trimmed Brass Duco Cages



These have a two-tone effect, body of cage being brass and balance of cage is trimmed in colors, finished nicely in Duco—a showy, classy cage at a most reasonable price. You will like it.

No. 2274—Diameter 10½ inches, height 13 inches. Each \$2.75.

No. 2275—Diameter 11 inches, height 13 7/8 inches. Each \$3.00.

No. 2276—Diameter 11¼ inches, height 14¾ inches. Each \$3.25.

We can supply the following color trim Red two-tone, Blue two-tone, Green two-tone.

By parcel post, 35c each extra.

### Fancy Duco Finish Bird Cages



All Duco finish cages have drinking and feed cups in colors. These are the latest thing in Bird Cages. All made up in fancy style and in several colors. Real classy, strong, handsome and an ornament to any home. The birds cannot pick off the finish nor will they discolor.

We have these in several beautiful colors: Red and black, blue and gold, bermuda and gold.

No. 2274—Diameter 10½ inches, height 13 inches. Each \$2.75.

No. 2275—Diameter 11 inches, height 13 7/8 inches. Each \$3.00.

No. 2276—Diameter 11¼ inches, height 14¾ inches. Each \$3.25.

If wanted by parcel post, add 35c to above prices.



### Draw Bottom Duco Finish Cages

No. 250—Draw bottom tangerine and Ivory, fancy cage	Each \$4.75
No. 2060—Draw bottom Tangerine and Ivory, fancy cage	4.75
No. 2274—Draw bottom Duco cage	3.00
No. 2275—Draw bottom Duco cage	3.50
No. 2276—Draw bottom Duco cage	4.00

Two colors, blue, and light green—two-tone. Draw Bottom Cages are convenient for cleaning cage. If wanted by parcel post, add 35c to above prices.

### Round Brass Cages



With Base and Brass Seed Guard  
No. 274—Round Brass, 15 3/8 in. high. Each \$2.25; by parcel post, \$2.60.  
No. 275—Round Brass, 15 5/8 in. high. Each \$2.50; by parcel post, \$2.85.  
No. 276—Round Brass, 17 1/4 in. high. Each \$2.75; by parcel post, \$3.10.  
Without base—with Brass Seed Guard  
No. 1276—Round Brass Cage, 15¼ inches high. Each \$2.25; by parcel post, \$2.60.

### Parrot Cages



Special tin, strong and well made.

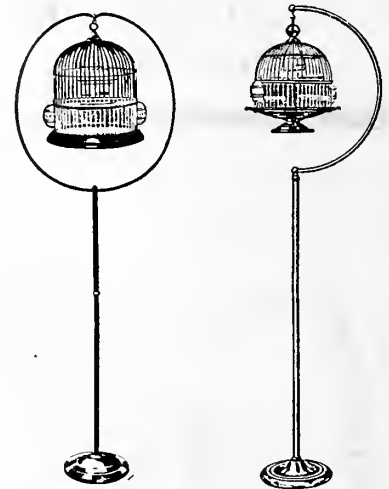
No. 80—Diameter 14 in., height 23 in. Each \$5.50.

No. 85—Diameter 15½ in., height 24 in. Each \$6.25.

No. 90—Diameter 17¾ in., height 30 in. Each \$7.75.

Too large to mail.

### Fancy Duco Cage Stands



These are all Hendryx Stands and will match cages listed.

No. 55—Half arch bermuda and gold	Each \$1.75
No. 55—Half arch, red and black	1.75
No. 57—Half arch, green and black	1.75
No. 31—Half arch, old ivory	1.50
No. 31—Half arch, bermuda and gold	1.50
No. 31—Half arch, gilt stand	1.25
No. 32—Full arch, gilt stand	1.50
No. 58—Full arch, red and black	1.75
No. 63—Full arch, tangerine and ivory	2.75

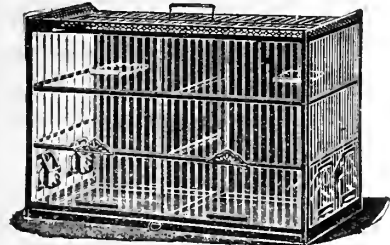
By parcel post, 35c each extra.

### Traveling Bird Cage

Just the right size for traveling purposes.  
No. 91—Japanese Cage, 7¼x5½ inches. Each \$1.35; by parcel post, \$1.50.

# R.-H. Co.'s BIRD SUPPLIES

## Metal Breeding Cages



Absolutely vermin-proof, complete with solid and wire partitions, metal drawer and solid back, 4 glass cups, 6 perches and 2 nests.  
No. SB—Single Breeder, 13½ x 8 x 13¼, each \$3.25; by parcel post, \$3.65.  
No. 86S—17¼ x 8¾ x 14, each \$4.50; by parcel post, \$5.00.  
No. 86—19½ x 10 x 14¼, each \$5.25; by parcel post, \$5.75.  
No. 87—22 x 11 x 16¼, each \$6.25; cannot mail.

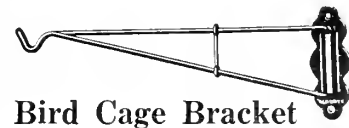
## Bird Cage Cups



	Each	Post-paid
Glass Cups.....	\$ .15	\$ .20
Opal Cups.....	.15	.20
Breeding Cups....	.20	.30
Parrot Cups.....	.35	.40
Medicine Cups....	.10	.15
Duco Colored t....	.25	.30

## Colored Tassels for Bird Cages

Each .....	\$ .15
By parcel post.....	.20



## Bird Cage Bracket

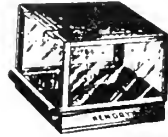
	Each	Post-paid
Bird Cage Bracket, nickel.....	\$ .20	\$ .25
Bird Cage Bracket, brass.....	.25	.30
Perches, all sizes.....	.05	.08
Swings .....	.10	.15
Knobs, for top.....	.15	.20
Canary Leg Bands, aluminum, doz. 25c, postpaid.		
Cement for Leg Bands, tube.....	.20	.25

## Brass Cage Springs



	Each	Post-paid
Brass Cage Springs, heavy.....	\$ .20	\$ .25
Brass Cage Springs, light.....	.15	.20
Brass Cage Spring Chain, 1 ft....	.10	.15
Brass Cage Spring Chain, 2 ft....	.15	.20

## Duco Colored Cage Bath House



In assorted colors. Place them outside of cage, so bird will not wet cage. Very convenient. Each 75c; by parcel post, 85c.

## Bird Bath—Bird Nest



	Each	Post-paid
Baths, opal.....	\$ .15	\$ .25
Nests, wire.....	.10	.15
Nesting Hair, pkg.....	.10	.12
Cage Medicine Holders.....	.10	.15



	Each	Post-paid
Phil. Mixed Canary Seed, pt. box..	\$ .20	\$ .28
Phil. Red Bird Gravel, pt. box....	.15	.25
Phil. Silver Bird Gravel, pt. box..	.15	.25
Phil. Drahotas Song Restorer, box.	.20	.25
Phil. Bird Bitters, bottles.....	.25	.30
Phil. Mite Powder, box.....	.25	.30
Phil. Moulting Pepper, box.....	.25	.30
Phil. Orange Color Food, box.....	.25	.30
Phil. Bird Merican Salve.....	.25	.30
Phil. Bird Manna.....	.15	.18

## Spratt's Canary Supplies



	Each	Post-paid
Spratt's Canary Mixture.....	\$ .25	\$ .35
Spratt's Parrot Food.....	.25	.30
Spratt's Sing Song Tablets.....	.15	.20
Spratt's Cod Liver Oil Nestling Food.....	.15	.20

## Haller's Bird Remedies



	Each	Post-paid
Bird Pie.....	\$ .15	\$ .18
Color Food.....	.25	.30
Dutch Song Restorer.....	.25	.30
Bird Tonic.....	.20	.25
Roller Canary Seed.....	.20	.30
Bird Bitters.....	.25	.30
Cage Wash.....	.20	.30
Feather Restorer.....	.20	.25
Health Food.....	.20	.30

## 8 in 1 Health Food

A song and vigor restorer. A superior preparation, once used always used. Bottle 25c; postpaid 30c.

## Gold Fish Food

	Each	Post-paid
Spratt's Aquarium Fish Food.....	\$ .10	\$ .15
Wafer Fish Food.....	.10	.15
Natural Fish Food.....	.10	.15

## KIT—KAT

Keeps cats from having worms, constipation, sore eyes, humors and all diseases peculiar to cats. 25c and 35c a box, postpaid.

## Russell-Heckle's Bird Seed

	Per lb.	Post-paid
R.-H. Co.'s Mixed Canary.....	\$ .15	\$ .20
R.-H. Co.'s Bird Hemp.....	.15	.20
R.-H. Co.'s Bird Rape.....	.15	.20
R.-H. Co.'s Bird Millet.....	.10	.15
R.-H. Co.'s Plain Canary.....	.15	.20
R.-H. Co.'s Sunflower Seed.....	.15	.20
R.-H. Co.'s Bird Lettuce.....	.35	.40
R.-H. Co.'s Bird Pepper.....	.60	.65

## Red Cross Rat and Mouse Embalmer



A sure rat and mouse destroyer that does the work thoroughly without any odor. 50c and \$1.00 per can. Poison; cannot be mailed.

## R.-H. CO.'S RAT PASTE

Sure death to rats. In tubes. Each 25c. Poison; not mailable.

## ZELIO RAT POISON

A powerful rat and mice destroyer. It acts slowly and the animal leaves the premises instead of dying in the hole. 2-oz. tube 50c. Poison; not mailable.

## ZELIO POISONED WHEAT

Kills rats and mice. Can 25c; not mailable. \$1,000.00 GUARANTEED RAT KILLER 25c boxes. Cannot mail.

## CYANOGAS

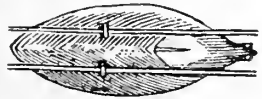
Kills rats and moles. Can 75c; not mailable.

## RAT-SOL

A new non-poisonous exterminator of rats and mice. Harmless to man and domestic animals, poultry, dogs or cats. Purchase price refunded if it fails. Price: 2-oz. package 50c; by mail 60c.

## MOUSE SEED

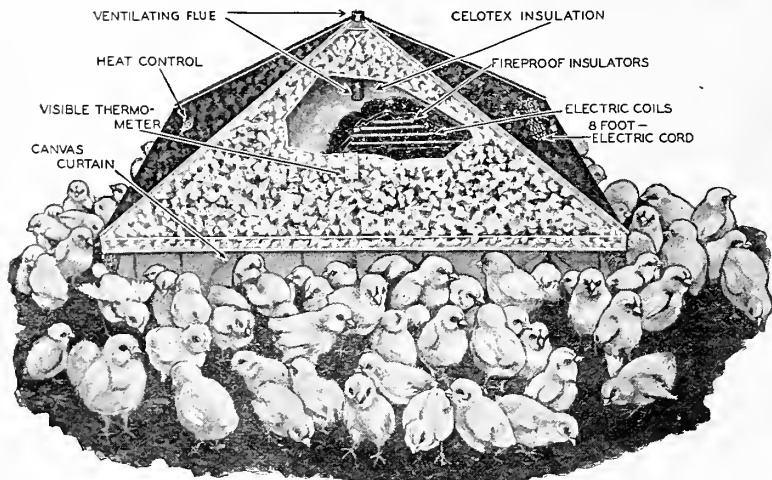
No mixing needed. The perfumed seed attracts and kills the mice that eat it. Box 25c; not mailable.



## Cuttle Fish Bone

Phil. Bird Cuttle Bone—With holder. Large, each 10c; postpaid 12c. Small, each 5c; postpaid 7c.  
Fresh, clean, medium size, whole bone, loose, 3 for 5c; lb. 45c. By mail, 3 for 10c; lb. 55c.

## R.-H. Co.'s ELECTRIC BROODERS



### Raise Baby Chicks the Modern Easy Way

Chicks brooded electrically are healthier, stronger, sturdier and make greater gain in weight on less feed than chicks brooded otherwise. The Oakes New Improved Electric Brooder is by far the most modern and economical brooder for raising flocks of 100 to 650 chicks. The Oakes Electric Brooder can be installed and placed in operation 15 minutes after arrival. It is only necessary to plug the attachment cord into the nearest lamp socket and adjust the thermostat switch to give desired temperature. After adjustment the heat is turned on and off automatically by the Oakes Automatic Thermostat.

There is no lamp or stove to take up valuable space under the canopy. Entire brooder available for chicks. No crowding or smothering. Day and night the Oakes Electric Brooder maintains the exact degree of brooding temperature needed—absolutely without variation. Heat is distributed evenly under the entire brooder. No danger of gassing the chicks. Fire hazards positively eliminated.

### Oakes' New Improved Electric Brooder

The Oakes New Improved Electric Brooder is by far the most modern and economical brooder for raising flocks from 100 to 650 chicks. The Oakes Electric Brooder can be installed and placed in operation fifteen minutes after arrival. It is only necessary to plug the attachment cord into the nearest lamp socket and adjust the thermostatic switch to give desired temperature. Positive heat control with the Oakes automatic thermostat. Clean, even heat.

No lamps, smoke or fumes; no ashes or coal to carry; no wicks to trim; no messy oil.

**Electric Current Consumed**—While securing all the advantages of electric heating, including savings in time, labor and worry, the Oakes Electric Brooder is also economical to operate from the standpoint of actual current consumed.

Wattage and average kilowatts for 24-hour current consumption of different sizes given below:

Size	Wattage	K. W. Used	Size	Wattage	K. W. Used
22 in.	300	2.	42 in.	500	6.
32 in.	300	3.5	52 in.	660	7.5

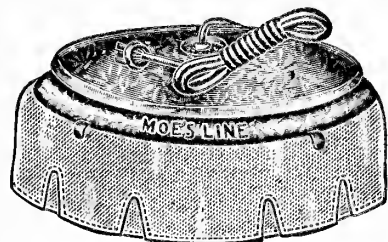
### Oakes' Round Electric Brooder



WILL CARE FOR 50 TO 1000 CHICKS

All are equipped with "Oakes" patented enclosed electric heating element. No chance for short circuit, absolutely no fire hazard. Circular heater distributes heat evenly under the canopy. Canopy made of galvanized steel, lined with asbestos, equipped with metal legs, and canvas or flannel curtain; also cord and screw plug. No automatic control. All 110-volt only. Price No. S81 \$3.50 each; by parcel post, \$3.90.

### Moe's Electric Brooder



An efficient, clean and economical brooder fitted with a specially constructed heating unit. Will give an even continuous heat properly distributed to insure the health and comfort of the chicks.

Price Moe's No. 386 Electric Brooder; capacity 75 chicks; diameter of canopy 19 in.; height of hovering space 6½ in.

Total height 8 inches. Complete with canvas curtain, cord and attachment for light socket, only \$8.00; postpaid \$8.45.

Note construction details (on illustration) of the Oakes Electric Brooder. Heat control screw easily accessible. After adjustment, the lock-nut can be set and the exact degree of temperature will be maintained without variation. The success of electric brooding depends upon this device. See the heavy insulation which reduces heat losses to a minimum. Celotex and Insulite are used.

Brooder operates on 32, 110, or 220-volt direct or alternating current. Be sure to specify voltage and current when ordering.

Chick capacity based on agricultural college recommendation of four square inches per chick.

#### PRICES:

No. K722—Size 22 in., chick capacity 100, weight 15 lbs.	Each \$10.50
No. K732—Size 32 in., chick capacity 250, weight 35 lbs.	Each 16.00
No. K742—Size 42 in., chick capacity 425, weight 70 lbs.	Each 20.00
No. K752—Size 52 in., chick capacity 650, weight 100 lbs.	Each 24.00

### Liv-An Grow Electric Brooders



A low-priced primary brooder, the box is made of strong fibre with a wire screen floor. It is also durable, waterproof, and equipped with feed and water pans. The box part can be replaced when coiled at a nominal cost. The brooder can be set on the end of two chairs or on a frame, made with legs so as to raise it to a convenient height, which avoids stooping when feeding and watering the chicks. The outfit consists of Brooder Box, ten feet of electric cord, porcelain socket with terminal plug and a circulating drum to enclose the bulb. (electric light bulb is not furnished.) Size of brooder, 20 by 24 inches, 7½ inches high. Price, only \$2.50; by parcel post \$2.75.

### Oakes' Electric Incubator

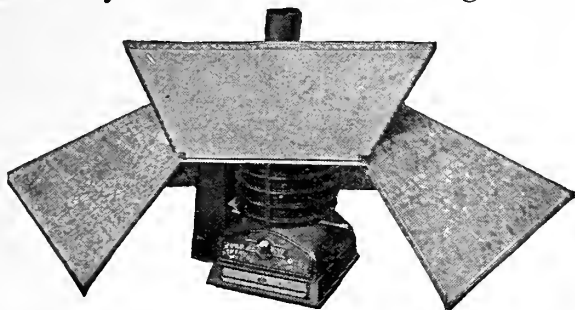
The Oakes Electric Incubator presents the very latest and most improved inventions in artificial incubation and will produce the largest possible percentage of strong, fluffy chicks under all conditions. Equipped for 110-volt current only. Complete descriptive literature gladly furnished.

No. H87—60-egg size, complete, each	\$18.00 f. o. b. Memphis.
No. H88—100-egg size, complete, each	25.00 f. o. b. Memphis.
No. H84—165-egg size, complete, each	35.00 f. o. b. Memphis.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

# RUSSELL-HECKLE'S CHICK BROODERS

## Jamesway Fresh Air Coal Burning Brooder



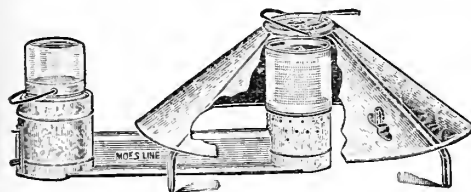
In the Jamesway Brooder the lifeless and foul air is carried off through the stack. This causes fresh air to be drawn in and it is gently spread out under the hover. Jamesway Brooder chicks grow faster and stronger because they are not made to breathe over and over, foul, flat, lifeless air.

Where baby chicks are brooded by the hen there is always present warm, moist air. The Jamesway Brooder is the only one made with the moisture pan.

**Brooder No. 652**—Has 52-inch revolving canopy, coal capacity 35 lbs., stove stands 20 inches high with 4-inch collar. Standard brooder stove manufacturers rate this 500 to 1000 chicks, and that's wrong. Jamesway method advises putting 200 to 500 chicks under a 52-inch hover, which is proper. Price, No. 652 Jamesway Brooder with 52-inch canopy, \$23.80.

**Brooder No. 660**—Has a 60-inch revolving canopy, coal capacity about 60 lbs. Pipe collar 4 inches. The standard rating of this stove is 1000 to 1500 chicks. The Jamesway method tells you to put 300 to 800 chicks under the 60-inch hover in a room 12x18 feet square. Price, No. 660 Jamesway Brooder, with 60-inch canopy, \$26.80.

## Moe's Blue Flame Oil Brooder



A simple and reliable oil burning Brooder, sturdy in construction and easy to operate. Burns kerosene.

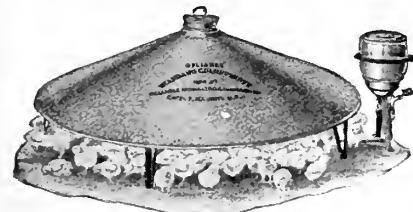
Has a new and improved wickless blue flame burner, with perfect combustion, free from fumes or gases.

It is the same as Moe's Automatic Oil Brooder, except that it does not have the automatic thermostatic control, and the canopy is not insulated. Has a patented Hand Control, with only one moving part, and by means of which the heat is regulated.

### PRICES F. O. B. MEMPHIS

No. 232—32-inch Canopy, 300 Chick Capacity.....	\$ 8.55
No. 233—42-inch Canopy, 500 Chick Capacity.....	9.50
No. 234—52-inch Canopy, 1000 Chick Capacity.....	10.45

## National "Blue Flame" Oil Brooder



The "National" Blue Flame Colony Brooder is of the wick-type construction, burns coal oil (kerosene) and is just as simple to operate as an ordinary house lamp. It will not smoke, is odorless and operates without noise. It is self-feeding, safe and durable, maintaining an

even flame as long as there is oil in the reservoir.

### MADE IN THREE SIZES

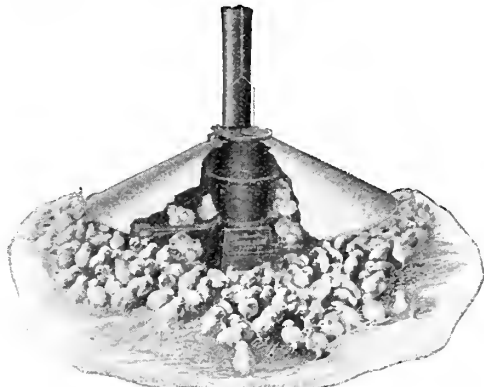
No. 60—34-inch canopy, 200-chick capacity.....	\$12.75
No. 61—42-inch canopy, 350-chick capacity.....	14.25
No. 62—52-inch canopy, 500-chick capacity.....	21.00

Ask for complete descriptive circular.

## At Special Sale

	Each
1 Miller's 50-75 Chick Electric Hover.....	\$ 2.00
1 50-Egg Cycle Hatcher Incubator.....	4.90
1 500-Chick Automatic Coal Brooder Stove.....	11.00
2 5-gallon Oakes Thermos Fountain.....	2.00
1 H-21 Oakes Never Dry Chick Waterer.....	1.25
2 H-6 Oakes 4-Ft. Growing Chick Feeder.....	.75
2 H-12 Oakes Handy Hopper, 12-inch.....	.50
2 8-qt. Apaco Poultry Hopper.....	.50
1 20-qt. Can't Clog Dry Mash Feeder.....	1.25

## National Coal Burning Brooder

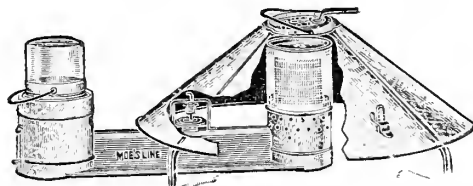


The new design National Coal Burning Brooder is equipped with lower auxiliary draft in-take, controlled automatically by the thermostat. This insures ample draft for a quick fire, but prevents overheating, as draft closes automatically when the desired temperature is attained. Made in three sizes.

No. A—350-chick size, 42-inch canopy, 4-inch pipe collar. Price with canopy .....	\$15.00
No. C—500-chick size, 52-inch canopy, 5-inch pipe collar. Price with canopy .....	17.50
No. D—1000-chick size, 56-inch canopy, 5-inch pipe collar. Price with canopy .....	22.50

We do not furnish smoke pipe. This is extra, see prices on page 73. Ask for descriptive circulars.

## Moe's Automatic Oil Brooder

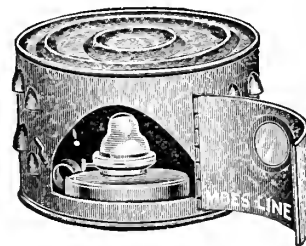


This improved automatic brooder has the double regulation, first the double wafer thermostat; second, the hand lever control. Absolutely dependable, safe and simple to operate. Cannot overheat or go out if you supply the oil. The flow of oil is controlled by gravity, then the thermostat does the remainder. We absolutely guarantee and recommend it.

### PRICES F. O. B. MEMPHIS

No. 225—32-inch Canopy, 300-chick Capacity.....	\$12.35
No. 226—42-inch Canopy, 500-chick Capacity.....	14.75
No. 227—52-inch Canopy, 1000-chick Capacity.....	16.70

## Moe's No. 10 Brooder Heater



An excellent heater for a small Brooder. Place in a box and the chicks will keep warm and comfortable. Each \$1.85; by parcel post \$2.10.

## Oakes Home Made Electric Brooder Outfit

Make your own brooder at a small cost; a wooden tub, half barrel or box will answer for the top. The Oakes Electric Brooder outfit consist of heater, legs and 8-foot power cord with detachable

plug for light plug. Each \$2.75; by parcel post, \$3.00.

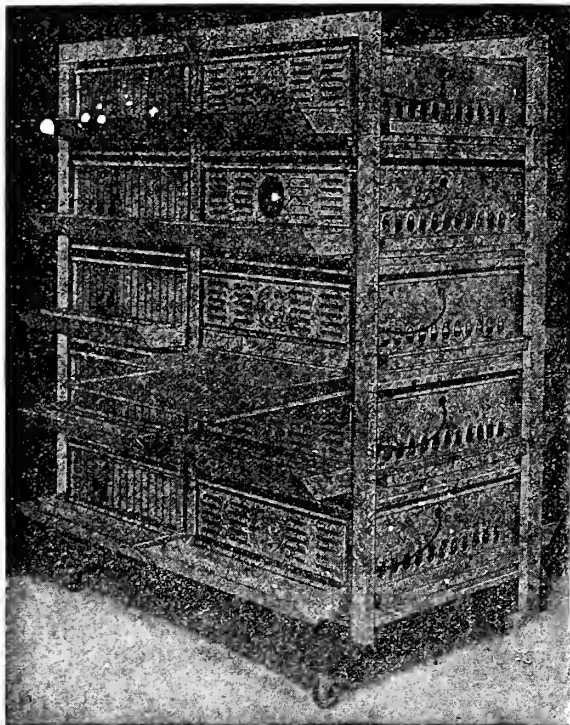
## Blue Flame Brooder Repairs

	Each
Glass Reservoirs, National or Moe's Brooder.....	\$1.50
Reservoir Valves, National or Moe's Brooder.....	.50
Burner Drums, National or Moe's.....	\$2.00 to 2.50
Tubes for Burner Drums.....	.50c to .60
National Burners, complete, 2 sizes.....	\$5.00 to 7.50
Wicks for National, 2 sizes.....	.40c to .65
Wicks for Moe's Brooder, 2 sizes.....	.30c to .40
Canopy Ventilator Lids.....	.75
Brood Wafer Thermostats, each.....	.50
Brooder Thermometers, each.....	.50

If wanted by mail, add postage to prices quoted. Specifying kind and size of brooder when ordering.



# THE NEW JAMESWAY BATTERY BROODER



Now you can raise chicks cheaper, better and faster. This new Jamesway Battery Brooder is the one you have been waiting for. It is complete in every way; nothing has been neglected to make this the very best Battery Brooder.

The Jamesway has been developed under actual working conditions, built for results. Many exclusive features make the Jamesway Battery Outfit beyond comparison. Never before a Battery Brooder like this Jamesway has been offered to poultry men. Saves work, time and extra steps in caring for chicks. Ten sections for 1,000 day-old chicks. Each section operates independently; has thermostatic controlled heat unit, curtained to give heating and cooling compartment.

The open water trough is adjustable for small and growing chicks. This feature is necessary to the successful operation of any Battery Brooder.

The feed openings are adjustable to accommodate small or large chicks.

The Jamesway dropping pans extend one inch beyond walls of the unit, preventing droppings from clogging along edge of pan.

The brooder has a clearance of 1 3/4 inches below floor screen and dropping pan, which gives ample room for droppings. No Battery is entirely correct without this feature.

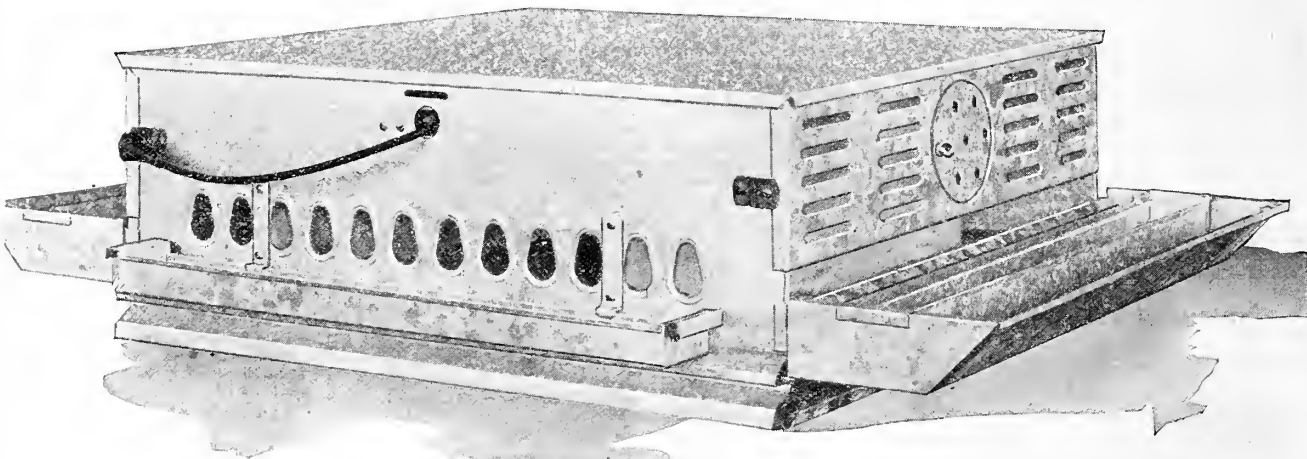
Has broiler front panel interchangeable, making it useful for chicks or to raise as broilers.

A convenient hand hole makes it possible to reach into unit as often as necessary. Batteries not so equipped are awkward to handle.

To summarize, the Jamesway Battery Brooder is in a class by itself; not a cheap, flimsy outfit, but a real durable, convenient and practical device. Circulars describing it in full sent on application.

A heavy, substantial truck permits moving Battery from place to place easily. Overall size 30 x 58 x 71 inches; operates on 110 or 220 volt A. C. or D. C. current.

No. 627 Jamesway Convertible Battery Brooder, complete, \$136.00.



Jamesway Separate Battery Compartment

Beginners who do not desire the complete 1,000 capacity unit may purchase them separately as required. Each compartment has 100 chick capacity; comes complete with feed and water troughs, floor screen and dropping pan.

The Jamesway individual compartment is well made, strong, heavy and gives results. The screen floor is made of heavy 16 gauge wire with 1/2-inch mesh and 1/4-inch round frame; being properly supported, it won't sag. The whole floor is strong, heavily tinned and smooth. This is essential in a Battery Outfit, and besides it is very convenient to clean.

All of the compartments have a specially designed and highly efficient heating element assembled upon a concave reflector covered with asbestos insulation to turn heat downward.

The heat element extends across the full width of the compartment. The heat is thus distributed over the entire area of that part of the compartment to be heated and prevents chicks from bunching up to one side or the other, as they do when a short element is used.

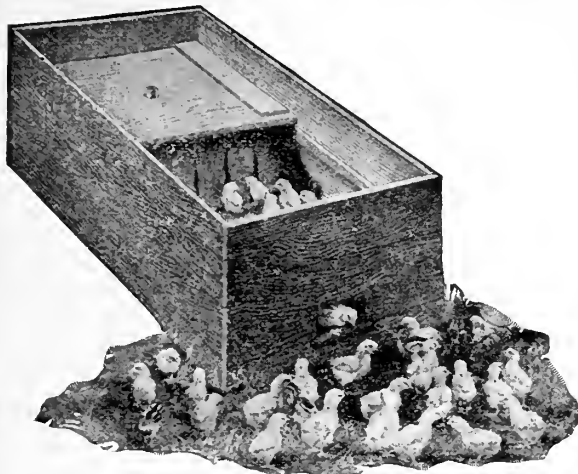
Can be set to maintain any desired temperature where room is 70 degrees.

The entire heating assembly may be removed at will, curtains then set back to provide a cooling space. The curtains are easily rolled up for larger chicks, or removed entirely if room temperature is high.

Price: No. 628 Jamesway Individual or Separate Battery Compartment, \$13.25 f. o. b. factory or \$14.25 f. o. b. Memphis.

FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED

## The Putnam Home Made Brooder



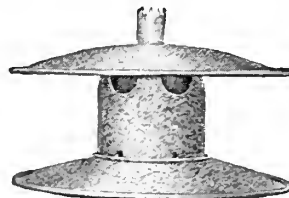
The Putnam Home Made Brooder differs from all other brooders. It operates on the principle of an open fireplace, carrying the foul air out and drawing fresh air in, thus providing perfect ventilation automatically.

The Putnam Home Made Brooder provides a warm and comfortable and at the same time a well ventilated retreat for the chicks needing rest, and wholesome, fresh, cool air for those desiring exercise.

The capacity of the brooder is elastic. After the first week, when the chicks require more exercising space, another box of the same size or larger can be attached to the brooder.

Directions come free how to make the Putnam Home Made Brooder.

## Putnam Brooder Heater



This is the Brooder Heater used in the Putnam Home Made Brooder. Requires filling but once a week, and no further attention in the meantime. Every other brooder must be filled and trimmed seven times a week; the Putnam but once.

There is no brooder on the market at any price that equals the Putnam Home Made Brooder in ease, simplicity and economy of operation; none which uses so little oil per chick. This brooder consumes less than a gallon of oil a month.

Price: Brooder Heater only.....\$4.50  
No box furnished.

By parcel post..... 4.75

## The Little Putnam Stove



Keeps drinking water from freezing. Water kept at a proper temperature is a big help in getting winter eggs. Costs only 20c to 30c for oil to run an

entire winter. Make your own oat sprouter with a Little Putnam Stove. Directions furnished to all customers. Galvanized. Price \$1.95; by parcel post \$2.20. Wicks for Putnam Stove, 2 for 5c.

## Philadelphia Caponizing Set



Complete set of directions accompanies each set. Pays for itself in a short while. Instruments mailed from factory. Per set \$2.75; postpaid.

## Smoke Pipe for Brooders

No. 114—Black Smoke Pipe, 2-foot lengths.



3-in. each...15c  
4-in. each...25c  
5-in. each...25c

## Draft Equalizer for Brooder Stoves

Prevents the wind from blowing smoke back down the chimney and choking the fire. A necessity for every brooder stove.

No. H-144 for 4-inch pipe.....\$1.00  
By parcel post..... 1.25

## Smoke Pipe Top Cap



Chimney Cap for Moe's No. 440 Roof Saddle or other Brooder Stove Pipes. Keeps out rain and snow and improves the draft. Easy to install; no tools or bolts required. In two sizes.  
No. 444—Chimney Cap for 4-in. pipe, each 45c  
No. 445—Chimney Cap for 5-in. pipe, each 50c  
No. H145—Oakes 4-in. Vent Cap, each ...40c

## Pipe Collars

No. 117—Pipe Collars. Sizes 6 x 3, 6 x 4, 6 x 5. All same price, each.....10c

## Baby Chick Shipping Boxes

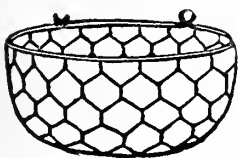


Made from corrugated paper with strong bottom and ventilated top. Strong, yet light in weight.

25-chick size.....Doz. \$1.20; mailed \$1.50  
50-chick size.....Doz. \$1.75; mailed \$2.10  
100-chick size.....Doz. \$2.40; not mailable  
Chick Box Staples—30c per 100; postpaid, 40c per 100.

Chick Boxes sold in bundles of 1 doz. each only.

## Wire Hen's Nests



Made of copper steel wire, with plate steel ribs and heavy top wire; all copper finish. Provides a clean sanitary nest; it is fastened to the wall with nails or screw hooks.

14-inch nest, each 25c; 6 for \$1.40; by parcel post, each 35c.

## Moe's Pigeon Nests



Durable and light; galvanized iron; also are best for sanitary purposes.

Each 15c; 6 for 90c; by parcel post, 5c each extra.

## Stoneware Pigeon Nest

Made so the birds cannot tip over. A good, safe nest. Each 25c; by parcel post 40c.

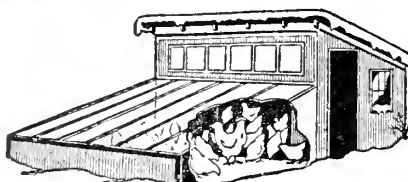
### FREE WITH ORDERS

### 1931 CALENDAR AND ALMANAC

Useful in many ways, gives weather predictions for the next 12 months with other information.

When requested, we will mail you a copy of our 1931 Almanac Calendar.

Don't fail to ask for a copy when sending your order.



## Glass Cloth

Glass Cloth is excellent for Poultry Houses, Brooder Houses, Hotbeds, Cold Frames, Windows, Doors, etc., and is a perfect substitute for glass, except for roofing. All Glass Cloth comes 3 feet wide.

### Prices

One piece 5 yards long.....\$ 1.60  
By parcel post..... 1.80  
One piece 10 yards long..... 2.80  
By parcel post..... 3.00  
One piece 15 yards long..... 4.00  
By parcel post..... 4.30  
One piece 50 yards long..... 12.50  
F. O. B. Memphis.  
One roll 100 yards long..... 24.00  
F. O. B. Memphis.

## Cel-O-Glass

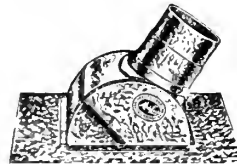
Fine for Poultry and Brooder Houses, Scratch Pens, Hotbed Frames, Windows.

Cel-O-Glass is made like screen wire.

Cel-O-Glass comes in sheets 36 inches wide and any length up to 100 feet long. Per roll, 100 feet long, 36 inches wide, 40 lbs., \$35.00.

Less than roll, 40c per running foot, f. o. b. Memphis. By mail, 50c foot.

## Roof Saddles for Brooder Pipe



Made of galvanized iron and adjustable to any required degree from an almost flat roof to one-half pitch. Size of flat roof flange, 14-inch by 18-inch.

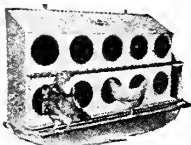
inch, and made in two sizes, for 4-inch and 5-inch brooder pipes.  
Moe's No. 440—4-inch Roof Saddle, without cap.....\$1.50  
Moe's No. 441—5-inch Roof Saddle, without cap..... 1.65

## Corrugated Elbows



No. 115—Black Corrugated Elbows.  
3-inch, each .....\$ .20  
4-inch, each ..... .25  
5-inch, each ..... .25

## Jamesway All-Metal Nests



Sanitary and Lice-Proof

Swinging perches up against the face of nest, prevents hens from roosting in the nest or on the perches.

No. 823B—3-nest unit, 1 tier, 3 ft. long... \$ 5.00  
No. 826D—6-nest unit, 2 tier, 3 ft. long... 8.25  
No. 630D—10-nest unit, 2 tier, 5 ft. long... 11.50  
No. 831A—Trap nest, sold extra, each... 40  
All shipped from the factory.

## Jamesway Droppings-Board Scraper



The blade is 18 inches long and has a keen scraping edge, constructed to hug droppings board and remove all dirt. Can be pulled toward you or shoved away from the operator. A most useful tool in the hen house.

No. 540A—Jamesway Droppings-Board Scraper. Each \$1.25.

Write for Special Circular on Jamesway Poultry Equipment, which describes more fully all supplies, including the Jamesway Brooder.

ment, which describes more fully all supplies, including the Jamesway Brooder.

## Automatic Chick Greaser



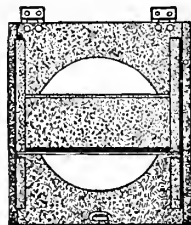
Kills mites, head lice and other insects on the baby chicks while they are eating; their heads rub against the wick and they grease themselves. Each, complete, \$1.20; by parcel post, \$1.40.

## Hudson No. 6 Oat Sprouter

Has six round-shaped heavy galvanized iron pans. The frame is strong and well made. Will last many years. No heat or lamp is needed. Place sprouter near a furnace, soak oats 10 to 12 hours, place in pans 1 in. deep; sprinkle and stir every 24 hours.

Price: Hudson No. 6 Oat Sprouter \$2.00 f.o.b. Memphis.

## Oakes' Trap Nest Front



The trap Nest Front that we offer is quickly attached to any box style nest. Cheaper and better than making your own. Simple in design, well made, trapping the hen without fail. Each 25c; by parcel post, 40c.

## Single Trap Nest

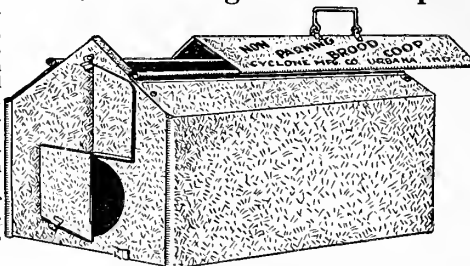
Made of galvanized iron. Size 12 by 12 inches, has trap door. Each 50c; by mail 80c.

## The Lawn Park Brood Coop



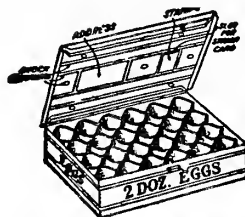
The wire park pulls out like bureau drawer and is made from heavy galvanized wire netting. Size of coop, 18 inches wide, 19 1/2 inches high, 48 inches long. Protects the chicks from hawks, rats, weasels, vermin, cold and storms. It is so ventilated that when park is pushed in the air circulates freely without admitting rain or snow. Can be moved from place to place easily. The coop has removable galvanized bottom. Each \$3.50, set up, ready to use. Knocked down in lots of six, \$18.00, f. o. b. Memphis.

## Non-Parking Brood Coop



Here is the most practical coop, without a park, made. It has a new style sliding top through which it is very easy to tend the hen, gather the eggs, or clean the coop. It is equipped with Overhead Damper Ventilation System, which provides fresh air at all times. The measurements are 19 inches high, 17 inches long, and 20 1/2 inches wide. Shipped knocked down, and can be set up in two or three minutes.  
No. 40—Packed 1 to carton.....Each 1.95  
No. 40—In lots of 6.....Each 1.75

## Aluminized Metal Egg Crates

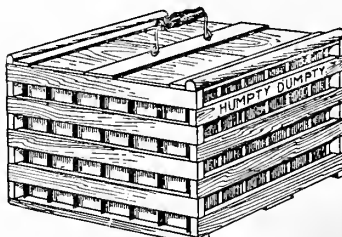


Indestructible; made for interchangeable shipments; lasts for years; pays for itself in a few shipments.



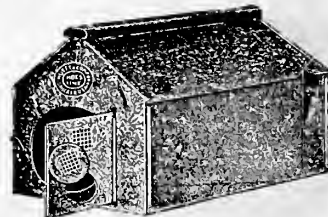
Size	Weight Empty	Each	Postpaid
2 doz.	3 lbs.	\$1.50	\$1.57
3 doz.	4 lbs.	1.75	1.83
4 doz.	5 lbs.	2.00	2.09
12 doz.	10 lbs.	2.00	2.20

## Humpty Dumpty Egg Carrier



Strong and durable. No tools to set them up. Can be used over and over. A fine egg carrier for either parcel post or express shipments. Price, 6 dozen size, 60c; by parcel post, 75c. Price, 12 dozen size, 80c; by parcel post, \$1.00.

## Moe's No. 49 Brood Coop



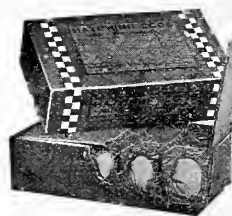
Has a combination door which can be adjusted to keep the hen in and permit the chicks their liberty. When closed it protects both hen and chicks from weather, rats, cats and other animals and yet allows ample ventilation. Size, 16 inches wide, 23 inches long, 16 inches high and weight, 12 pounds. Price, knocked down, but can be quickly set up, each \$1.90. In lots of 3 at \$1.80 each.

## Baby Chick Feeder No. 30



This simple wire feeder protects the little chicks and insures them plenty of feed, and will pay for itself many times over in economy of feed. It can be used in connection with the Lawn Park Brood Coops. Each \$1.25; by express only.

## Hatching-Egg Boxes



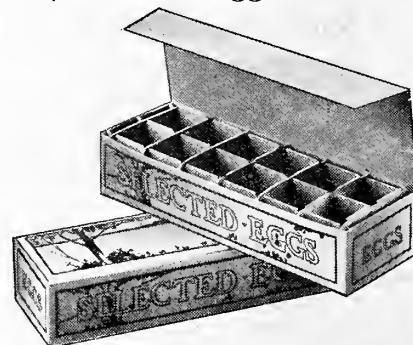
Made with large cells to facilitate extra wrapping, double walled corrugated on all sides, especially designed for transporting valuable eggs for hatching. No. 3—15-egg size. Each 25c; dozen, \$2.25; by parcel post, each 30c; doz. \$2.60.

## Parcel Post Egg Boxes

These boxes are so constructed that each egg is separated by a thickness of corrugated board and the entire contents are surrounded by a double wall of air-cushioned corrugated board.

Price: 48-egg size box. Each 20c; by parcel post, 30c; 60-egg size box, each 25c; by parcel post, 40c.

## Cardboard Egg Cartons



These are intended for delivering eggs to consumers. Hold one dozen each; has two rows, six eggs each.

Doz. 20c; 100 \$1.50; per bundle 250, \$3.00; 1,000 \$11.50; by parcel post, doz. 30c; 100 \$1.75.

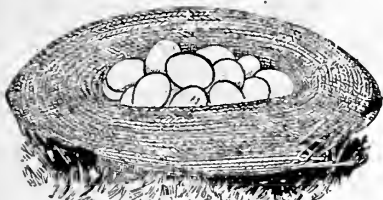
# RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN.



These are made for marking baby chicks by punching a hole in the web between the toes. Pocket size Pettey Punch.....25c; postpaid Improved Lever Pettey Punch.....50c; postpaid Moe's No. 39 Ideal Punch.....35c; postpaid

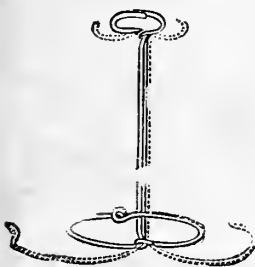
## Nest Eggs



These are very effective, especially the medicated ones, which not only act as a nest egg, but will kill mites and lice at the same time. Prices as follows:

Medicated ..... Doz. 60c; parcel post 75c  
Lime Eggs ..... Doz. 25c; parcel post 35c  
China Eggs ..... Doz. 30c; parcel post 40c

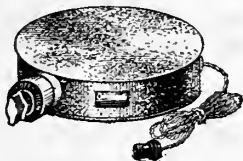
## The No-Set Poultry Guard



Will not injure the hen in any way and effectually prevents her from setting.

No. 290—No-Set Guard. Each 10c; by parcel post 15c.

## Electro-Warm Heaters



The Electro-Warm Electric Fountain Heater keeps water from freezing, even in zero weather. Price, only \$1.00.

## Brooder and Incubator Wicks



Nos. 1, 2 and 3—Cotton Wicks..... Each 5c  
Nos. 1, 2 and 3—Red Felt Wicks..... Each 5c  
Asbestos Wicks, small..... Each 30c  
Asbestos Wicks, large..... Each 45c  
Kerogas Wicks, small..... Each 40c  
Kerogas Wicks, large..... Each 65c  
Putnam Brooder Wicks..... Each 5c  
Above prices are postpaid.

## Brooder Lamp Chimneys

For Incubators and Brooders. Strong metal.

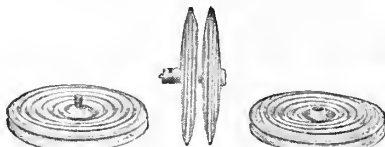
No. 1 Chimneys..... Each 15c; by parcel post 25c  
No. 2 Chimneys..... Each 20c; by parcel post 30c  
No. 3 Chimneys..... Each 20c; by parcel post 30c

## Brooder and Incubator Thermometers



No. 5794 Brooder Thermometer  
No. 5792—Round 8 in. Brooder..... \$ .60  
No. 5794—Flat 5 in. Brooder..... .50  
No. 400—Round 10 in. Brooder..... .75  
No. 5776—Tycos Inc. Thermometer..... .75  
No. 5783—Tycos Inc. Certified..... 1.00  
No. 5715—Tycos Dairy Thermometer..... .25  
No. 5140—Tycos Weather Thermometer..... .50  
By parcel post add 10c each for postage.

## Brooder Thermostats



Used for Oil Brooders, Coal Brooders and Incubators. State size when ordering.  
3-inch Double Thermostat..... Each \$ .50  
4-inch Double Thermostat..... Each .75  
By parcel post, 5c each extra.

## Tycos Hygrometers

Useful in Incubators for testing the humidity in the egg chamber. Directions come with them.

No. 5796 Tycos Hygrometers..... \$1.00  
By mail..... 1.10

## The Patterson and Young Incubator Moisture Guide



A scientific and practical evaporation measure which tells accurately when to add moisture or give more ventilation in the incubator.

It is easy to read as a thermometer, there being a graduated scale on one side of the glass tube showing where the water line should be. Directions with every Moisture Guide. Each 75c; postpaid.

## Dandy Egg Tester



This Egg Tester is designed for use on ordinary hand lamp, and fits over any style of burner with a diameter approximately that of the tester. In a dark room the light will be found strong enough to penetrate the shell and illuminate interior of egg.

Each 20c; by parcel post 30c.

## Brooder and Incubator Lamp Burners



No. 1 Burner—Each 35c; by parcel post 45c.

No. 2 Burner—Each 40c; by parcel post 50c.

No. 3 Burner—Each 60c; by parcel post 70c.

No. 2 Chimneyless Burner—Each 40c; by parcel post 50c.

No. 214 Double Burner—Each 60c; by parcel post 70c.

## BROODER and INCUBATOR LAMP BOWLS

Each Postpaid  
No. 1 Bowls..... \$ .40 \$ .50  
No. 2 Bowls..... .50 .60  
No. 3 Bowls..... .60 .75

## Poultry and Chick Leg Bands



### LARGE RAISED FIGURES

These are adjustable to fit any size fowl, very light and will not come off easily. Numbered from 1 to 300. Doz., 15c; 25, 25c; 100, 65c; postpaid.



## Perfection Celluloid Key Ring Leg Bands

These slip on like a key ring; cannot drop off; easily removed. Made of the various colors—white, pink, yellow, green, dark blue, light blue and red. Made in all sizes. When ordering, state what breed and color you want them.

Postpaid,  
Doz. 50 100  
No. 1—Brahmas, etc..... \$ .15 \$ .30 \$ .50  
No. 2—Barred Rocks, R. I. Reds, Minorcas..... .15 .30 .50  
No. 3—Leghorns and Anconas..... .15 .30 .50  
No. 4—Bantams..... .15 .30 .50  
No. 5—Pigeon size..... .10 .25 .40  
No. 6—Baby Chick size..... .10 .25 .40

## Reliable Colored Leg Band



In colors with printed numbers. Made of aluminum with colored numbered inserts. Adjustable. In four colors—blue, green, red and white. Packed in envelopes, numbered 1 to 12, 13 to 25, 26 to 50, 51 to 75, and 76 to 100. Will fit Barred Rocks, Rhode Island Reds, Minorcas, Anconas and Leghorns. Doz., 20c; 25, 35c; 100, \$1.25; postpaid.

## "Bandettes"



The latest spring clip pattern. Made entirely of celluloid. Bandettes are strongly made, the numbers are indestructible, being impressed in bold type. Bandettes come in the following colors:

Red, blue, green. Three sizes—baby chicks, Leghorns, and Rocks or Reds. With our selection of numbers: 12 for 30c; 25 for 50c; 50 for 80c; 100 for \$1.50; postpaid.

## Coloroid Coil Baby Chick Bands



This is a neat, attractive and very visible band, easy to apply; can be applied the day chicks are hatched, or later; can be used several times. Colors as follows: orange, black, white, dark green, red. Not numbered. 25 for 30c; 50 for 35c; 100 for 60c.

## Elite Colored Pigeon Bands

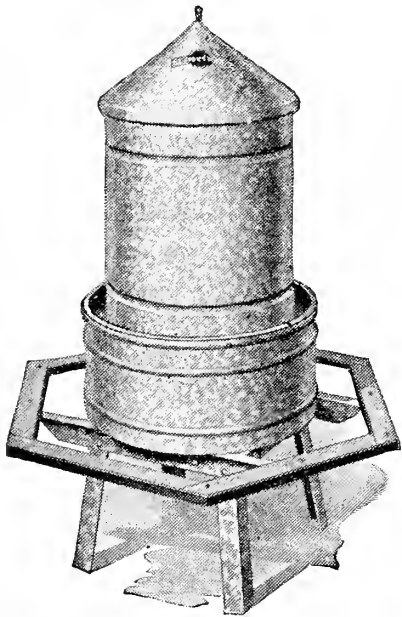


Made of a special grade of aluminum with colors plain, and has large numbers. Colors: green, red, white, black, gray, blue and orange; numbered in pairs from 1 to 50. Packed in envelopes containing 6 pairs each. 6 pairs, 12 bands, 20c; 12 pairs, 35c; 24 pairs, 60c; postpaid.



## RUSSELL-HECKLE'S POULTRY FOUNTAINS

### Jamesway Cleanable Fountains

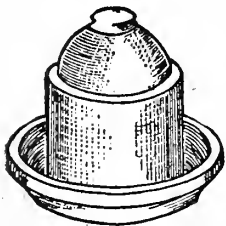


These big flock size 8 gallon waterers provide water for 150 hens a whole day without refilling; 15 to 20 hens can drink at one time. Built of heavy rust-resisting sheet steel, wide, deep pan; keeps floor dry.

A copper float opens and closes a non-rust brass valve; holds water at right level. Prices as follows:

No. 516-B—8 gallon waterer only.....	\$ 5.00
No. 513-B—8 gallon waterer with base..	5.90
No. 585-B—Waterer base and stand.....	7.40
No. 512-C—Lamp heated with stand.....	9.40
No. 514-C—Electric bulb heater and stand.....	10.25
No. 585—Stand only, worth its cost.....	\$ 1.50

### Stoneware Jug-Shaped Fountain



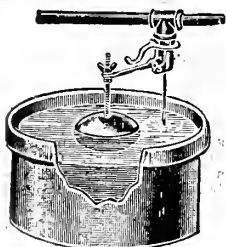
It is made in two parts, the saucer being separated from the upper portion, so it can be easily cleaned. These stoneware fountains are the best to have when using any medicine, such as White Diarrhea or Cholera remedies.

1 qt. ....	.35c
2 qts. ....	.50c
4 qts. ....	.85c

#### Extra Saucers

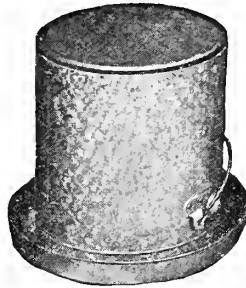
For 1-qt. Fountain.....	.10c
For 2-qt. Fountains.....	.15c
For 4-qt. Fountain.....	.25c
Not mailable.	

### Moe's Automatic Fountain



Can be attached to iron pipe, barrel or tank; insures a continuous supply of fresh water. The automatic valve and float is entirely of brass, nickel finish. Price, complete with pan, \$1.50; by parcel post \$1.70. Without pan, \$1.00; by parcel post \$1.10.

### Moe's New Top Fill Fountain



Made with round drinking pan, which is preferred by many, and the outside cover has a wire handle so that it can be used to carry water when filling the inside tank. Easy to clean.

Made of heavy galvanized iron, with double walls, which keeps the water cool in summer, and retards freezing in winter.

No. 33—2-gal. capacity. Each \$1.90; by parcel post \$2.25.

No. H-31—3-gal. capacity. Each \$2.10; by parcel post \$2.45.

No. 34—4-gal. capacity. Each \$2.60. By parcel post \$2.95.

### Moe's Square Top Fill Fountain



Double wall. Fills from the top, thus avoiding the annoyance of spilling over while being filled. Can be hung up out of the litter, and the square pan gives drinking facilities for two pens at the same time.

No. 1—1-gal. capacity. Each \$1.35; by parcel post \$1.60.

No. 2—2-gal. capacity. Each \$2.10; by parcel post \$2.45.

No. 4—4-gal. capacity. Each \$2.50; by parcel post \$2.90.

### Hawes' Automatic Fountain



for watering poultry and small stock

This Simple Valve Solves Watering Problem. At last a trouble-proof water valve that works automatically! A hollow metal float rests on the surface of the water, and as level rises and falls, valve automatically closes and opens. Insures a constant supply of pure, clean water. Each 80c; by parcel post 90c.

### Moe's Drinking Coop Cup



Used for mating or exhibition coops. Each 15c; 12 \$1.50; parcel post, each 20c.

### Oakes' "Capacity" Fountain

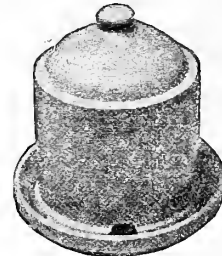


Keeps a plentiful supply of clean, fresh drinking water always available. Drinking space all around can; fountain filled from top. Can also be equipped with heater for winter service.

No. H. 9—5-gallon Fountain.....	\$3.00
No. H. 8—8-gallon Fountain.....	4.00
No. H-39—5-gallon with Heater.....	3.50
No. H-40—8-gallon with Heater.....	4.25

By express or freight only.

### Stoneware Buttermilk Fountain



This is the strongest and best constructed Earthen Buttermilk Feeder or waterer on the market. The saucer and top container are highly glazed inside and out of high grade earthenware.

1/2-gal. size .....	.50c
1-gal. size .....	.85c

#### Extra Saucers

For 1/2-gal. Fountain.....	.15c
For 1-gal. Fountain.....	.25c

Not mailable.

### Oakes' Drop Bottom Fountain



The hinged bottom enables fountain to be thoroughly cleaned, while flat back keeps it firm against the wall. Drinking space two-thirds distance around can.

No. H-23—1 gal. Each	\$1.15; by parcel post \$1.35.
No. H-25—4 gals. Each	\$2.00; by parcel post \$2.30.

### Oakes' No. H-100 Inexpensive Gallon Fount



No. H-100—Each 50c; by parcel post 65c.

### Oakes' No. H-100-A Inexpensive Gallon Fount

This is the same fountain as No. H-100, but is equipped with an instantly removable brass wire coil to prevent chicks from getting into the water.

No. H-100A—Each 60c; by parcel post 80c.

# RUSSELL-HECKLE'S CHICK FOUNTAINS

## Oakes' No. E-68 Fountain and Feeder



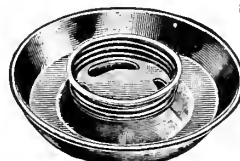
A galvanized pan made to hold any Mason fruit jar. Can be used either for feed or water. Easy to fill; not necessary to unscrew the jar. We do not furnish jars. Price, each 10c; 3 for 25c; by parcel post, each 20c; 3 for 35c.

## Moe's Star Fountain



No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason jar. Price of holder, without jar: No. 32, galvanized, each 10c; 3 for 25c; by parcel post, each 20c; 3 for 35c.

## Moe's No. 142 Chick Fountain



Moe's No. 142 Round Mason Jar Fountain is made of heavy tin plate, a rust-resisting metal, and the finest fountain of its kind on the market. Made in one size and fits any Mason jar in sizes 1 pint, 1 quart and 2 quarts. (We do not furnish the glass jar.) Each 10c; by parcel post, 20c.

## Oakes' Aluminum Pan Chick Fountain



Ideal for buttermilk, sweet milk, as well as for water. Fits any Mason jar; the pan is made of bright tin that acids will not effect. Jar can be adjusted up and down. We do not furnish jars.

No. H70A—1 qt., with pan, each 35c. By parcel post, 10c each extra.

## Boyer's Glass Jar Fountain



Fits any ordinary Mason jar. Made of heavy glass, easily kept clean, fine for either water, buttermilk or administering remedies. Price, without jar 30c; postpaid, 45c.



## Special Stand for Buttermilk

Made to use with any flat saucer or plate.

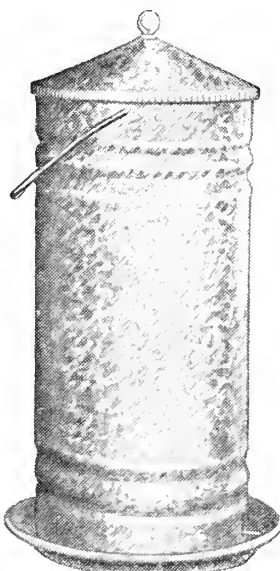
Price, No. H70C—Stand for 1 qt. jar, 10c. No. H70D—Stand for 2-qt. jar, 15c. By parcel post 5c each extra.

## R.-H. Co.'s Mason Jar Feeder and Fountain



Very convenient, as the upper pan once screwed onto the jar is left there. Entirely sanitary because the lower pan is free from any dirt-catching attachments. Chicks do not get wet using this fountain. Diameter, 6 in., with 8 round holes. Galvanized. Each 15c; 2 for 25c; postpaid, 20c each; 2 for 35c.

## Jamesway 3-Gallon Chick Waterer



Holds enough for 500 chicks a day without refilling, a labor-saver that keeps chicks from getting soaked and chilled, copper-float regulates water flow. This is a well-made, strong, practical fountain. Price, No. 529—3-gallon Chick Waterer, \$2.50; cannot be mailed.

## Oakes' Two-Piece Chick Fountain



Consists of a cone-shaped can and a stamped pan, which forms trough from which fowls drink. Both parts made of galvanized sheet steel.

No. H-78—Capacity, 1 qt., each 25c; postpaid, 35c.

No. H-79—Capacity, 2 qts., each 45c; postpaid, 55c.

## One Gallon Chick Fountain



This Gallon fountain is a fine value for the money. Can is inverted to fill. Very easy to clean. Pan is held to can by friction. Will not tip over. Provides drinking space all around the pan. Fine for small chicks, as the pan is low and has wire guard to prevent chicks getting wet.

Price with wire guard, 60c; parcel post, 80c.

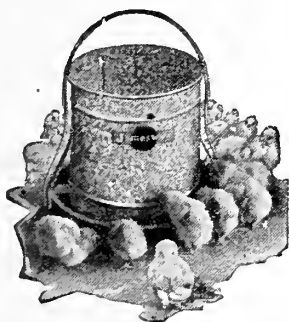
## Eyrie Shipping Coops

Ends and sides heavy corrugated cardboard. Top and bottom wood.

	Express Post	Parcel
No. B—3-bird size, each.....	\$0.70	\$0.90
No. C—4-bird size, each.....	.....	1.00
No. D—5-bird size, each.....	.....	.90

For prices on Quality Sterling Baby Chicks, see page 88.

## Jamesway Six Quart Chick Waterer



This is the waterer which has been such a success with poultry raisers. It is a vacuum type. Cannot leak or flood the floor. It is easily filled and cleaned—can't tip over. Chicks can't get drowned. Only two parts, a pail and a heavy pan. Can be carried by bail without spilling when pan is on or off. Holds six quarts. Weighs four and one-half pounds.

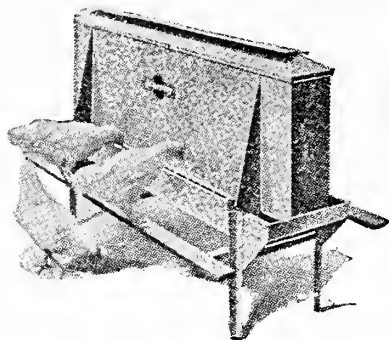
Price, No. 507 Jamesway Chick Waterer, \$1.25; by parcel post, \$1.50.

## Jamesway Pressure Waterer

Built with copper float and brass valve to keep water at proper level. Sits on sturdy, metal legs. Capacity enough for 150 to 200 hens. Price, No. 536 Pressure Waterer, shipped from factory, \$6.90.

# RUSSELL-HECKLE'S POULTRY HOPPERS

## Jamesway Self Feeder

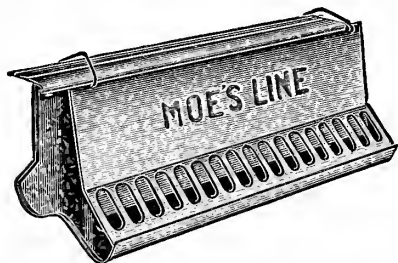


The Patented Jamesway Self Feeder is really five big capacity feeders in one. The big middle compartment holds a week's supply of egg-laying mash. The small bins at each end hold enough grit, shell, charcoal and beef scraps to last several weeks.

No. 527—Holds 50 lbs. egg mash, 9 lbs. beef scraps, 5 lbs. charcoal, 65 lbs. grit, 15 lbs. oyster shell. Self feeds 75 to 100 hens for one week with one filling. Each \$11.80.

No. 528—Holds 100 lbs. egg mash, 9 lbs. beef scraps, 5 lbs. charcoal, 15 lbs. grit, 15 lbs. oyster shell. Self feeds 160 to 200 hens one week with one filling. Each \$17.45.

## Moe's Growing Chick Feeder



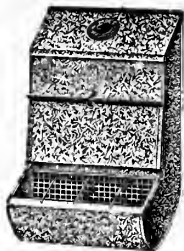
A feeder for growing chicks. Has a large capacity, with 16 openings on each side, so that 32 chicks can feed at one time. Has a sliding cover, easy to fill and clean.

No. 140—10 qts. Each \$1.00; by parcel post \$1.40.

No. 141—Capacity 17 qts. Has 27 openings on each side, so 54 chicks can feed at one time. Each \$1.60; not available.

No. 160—Big Boy Feeder for growing chicks. Capacity 75 lbs., or about 65 qts. of dry mash. Has 17 openings on each side. Each \$3.50.

## Moe's Never-Clog Mash Hopper



Does not clog, no matter how coarse the mash.

No. 35—10-qt. capacity, \$1.50; by parcel post \$1.80.

No. 36—14-qt. capacity, \$1.70; by parcel post \$2.05.

No. 13—22-qt. capacity, \$2.00; by parcel post \$2.40.

No. 37—32-qt. capacity, \$2.25 by express only.

## Moe's Peerless Growing Chick Feeders



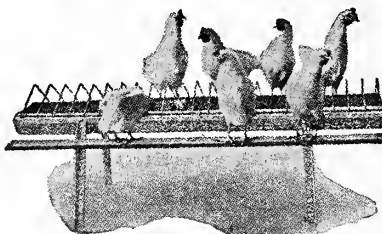
For chicks and growing fowls. Large capacity. The hopper is adjustable up and down for different kinds of mash and feed. Thirty chicks can feed at one time. Made in two sizes.

No. 192—Peerless Feeder, height 9½ in., capacity 10 qts. Each \$1.25.

No. 193—Peerless Feeder, height 12 in., capacity 18 qts. Each \$1.60.

By express or freight only.

## Jamesway Open Mash Feeder



Built to feed either wet mash, green feed or dry mash. The galvanized pan is 10 inches wide and 4 inches deep. The trough is 60 inches long and 20 inches wide over perches. It stands 25 inches high on sturdy metal legs.

No. 525-A—Jamesway Open Feeder, with legs, each \$5.75.

No. 657—8-ft. Jamesway Open Feeder, \$7.95.

## Moe's Round Mash Hopper



Capacity of 8 quarts. Has wire grid which rests on the feed and prevents the birds from wasting it. The top wire bales prevent the chickens from getting in the hopper. Each 40c; by parcel post 55c.

## Moe's Grit and Shell Box



Feeds grit, oyster shell and charcoal without waste.

No. 45—Two compartments, chick size. Each 40c; by parcel post 50c.

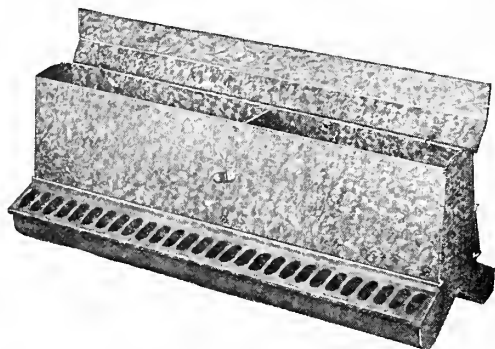
No. 9—Three compartments, hen size. Each 70c; by parcel post 90c.

No. 90—Four compartments. Each \$1.00; by parcel post \$1.25.

## The Apaco Poultry Hopper

The Apaco Feeder will save work; insures proper feeding, increases egg production, decreases feed bills, scatters the feed thoroughly; it won't clog. 8-qt. size only, 50c; by parcel post 75c.

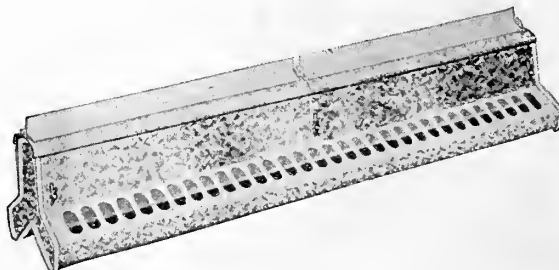
## Oakes' No. 170 Convertible Hopper



This hopper is a combination feeder. Designed for baby chicks, growing chicks and mature fowls. You get three feeders for the price of one; made in three sizes; two compartments permit feeding two kinds of feed at same time.

No. H-170—21 in., 20-qt. capacity.....Each \$2.25  
No. H-171—35 in., 32-qt. capacity.....Each 3.00  
No. H-172—42 in., 43-qt. capacity.....Each 4.25

## Oakes' No. H-36 Baby Chick Feed Hopper



Adjustable feed control; feeds on both sides. The V-shaped bottom throws the feed forward, where the chicks can reach it. The lid is hinged and split in the center for convenience in filling. Adjustable feed slide permits feeding fine or coarse feed. Tippler on lid prevents chicks from roosting. Large feed capacity; made in three convenient sizes.

No. H-36—Length 21 inches.....Each \$1.20  
No. H-37—Length 35 inches.....Each 1.80  
No. H-375—Length 42 inches.....Each 2.25

## RUSSELL-HECKLE'S CHICK FEEDERS

### Jamesway Sure Feed Chick Feeder

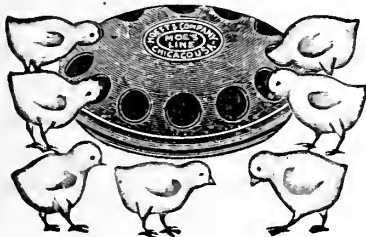


For small flocks; holds 4 quarts of dry mash and will feed 25 to 30 chicks one week with one filling.

The feed trough is adjustable in height. This can be used as the chicks grow with the assurance that the mash will always work down into the feed trough.

No. 535—Sure Feed Chick Feeder, each 75c. Postpaid, \$1.00.

### Moe's Round Baby Chick Feeder



A very convenient feeder. Can also be used for water. Two sizes, No. 11, 6 inches with 6 holes, and No. 12, 8 1/4 inches with 12 holes.

No. 11—Galvanized. Each 10c; by parcel post, 20c.

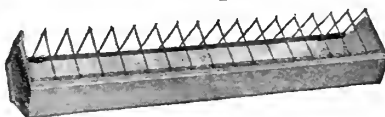
No. 12—Galvanized. Each 20c; by parcel post 30c.

### Norwich Growing Chick Feeder



Convex in shape; impossible for the chicks to waste or scatter feed and the center rod prevents the chicks from getting into the feed or to permit them to stand on it. Made with or without rain guard. The feeder with rain guard can be used outdoors to better advantage. Price, without rain top 50c; by parcel post, 70c; with rain guard \$1.00; by parcel post, \$1.15.

### Jamesway Chick Feed Trough



This feed trough keeps chicks out of the feed. Spacing between wire guards can be adjusted from seven-eighths to one and three-quarters inches. This trough is useful not only for feeding young chicks but older ones as well. Made of galvanized heavy sheet metal, 44 inches long, 6 1/2 inches wide.

No. 600—Chick Feed Trough, each \$1.95.  
No. 600C—Trough has a wire grid or guard to prevent waste of feed. Each \$2.25.

### Oakes' New Chick Feed Trough



An inexpensive chick trough. Made of galvanized iron with cross wire welded on, making it sturdy and strong. The wire prevents chicks getting into the feed.

No. H51A—24-in. long, each 25c; postpaid 40c

### Oakes' Chick Grit and Shell Boxes



Chicks should have grit, oyster shell and charcoal, and for this purpose Oakes' Chick Grit and Shell Box is indispensable. Made with three compartments.

No. H73—Chick size. Each 85c; parcel post \$1.00.

### Moe's Single Trough Feeder



Just the thing for feeding baby chicks; has sliding top, easily cleaned.

No. 55—12 inches long. Each 25c; by parcel post 35c.

No. 56—18 inches long. Each 35c; by parcel post 50c.

No. 57—24 inches long. Each 40c; by parcel post 55c.

### Moe's Double Trough Feeder



Has two sides, otherwise identical with the single trough.

No. 58—12 inches long. Each 25c; by parcel post 35c.

No. 59—18 inches long. Each 40c; by parcel post 55c.

No. 60—24 inches long. Each 50c; by parcel post 65c.

No. 76—36 inches long. Each 65c; by parcel post 85c.

### Stoneware Non-Spill Feeder



Adapted to feed clabber or butter-milk, because of its exclusive construction, prevents spilling when inverted after it is filled.

It has large, free openings and will not clog, can also be used for wet mash, dry mash or any liquids, holds 4 quarts and comes in two parts. The picture, however, shows only the bottom part, the top piece (not illustrated) is the container and comes with outfit. Price, complete, 75c; not mailable.



Stoneware Rabbit Feeder



Stoneware Rabbit Waterer

### Stoneware Rabbit Feeder

Has flanged top, thus prevents waste of feed; cannot be turned over while in use. Each 30c; 3 for 80c. By mail, each 50c.

### Stoneware Rabbit Waterer

Made especially for the purpose; animal cannot tip them over as they are extra heavy. Each 30c; 3 for 80c. By mail, each 50c.

### GLASS CLOTH

Glass Cloth is excellent for Poultry Houses, Brooder Houses, Hotbeds, Cold Frames, Windows, Doors, etc.; easy to put on, and is a perfect substitute for glass, except for roofing.

#### PRICES:

1-pc. 5 yds. long \$1.60; by parcel post \$1.80.  
1-pc. 10 yds. long \$2.80; by parcel post \$3.00.  
1-pc. 15 yds. long \$4.00; by parcel post \$4.30.  
1-pc. 50 yds. long \$12.50; f. o. b. Memphis.  
One roll of 100 yds. long \$24.00; f. o. b. Memphis.

All Glass Cloth comes in rolls 3 feet wide.

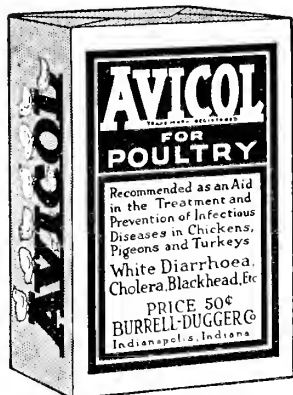
### The Little Putnam Stove

Keep drinking water from freezing. Water kept at a proper temperature is a big help in getting winter eggs. Costs only 20c to 30c for oil to run an entire winter. Make your own oat sprouter with a Little Putnam Stove. Directions furnished to all customers. Galvanized. Price, \$1.95; by parcel post \$2.20. Wicks for Putnam Stove, 2 for 5c.





## RUSSELL-HECKLE'S POULTRY REMEDIES



Avicol should be in the very first water the little chicks drink. And it will pay you to keep it in the drinking water for all the flock, old and young. Our guaranty protects you. Money refunded without question if Avicol doesn't satisfy you perfectly. 32-tablet size 50¢; by parcel post 60¢; 80-tablet size \$1.00; by parcel post \$1.10.

### Avian Bacterin

Protects your flock against roup, colds, sore-head, chicken pox, etc., or save a large percentage of sick birds in flocks already affected with ASL Avian Mixed Bacterin.

This wonderful preparation is administered by means of a hypodermic syringe. Complete directions with every package. 60-dose bottle \$1.50; 250-dose \$4.50. Syringe and needle \$1.50; postpaid.

### Barnes' Worm Emulsion



Worms are more frequently present in the intestines of chickens than many would believe. This is particularly true of young chickens. Young chicks that have this EMULSION in their drinking water constantly show a remarkable growth and fine form.

Worm Emulsion can not poison poultry or lower animals in any dosage. Its function all ways is to build vitality.

Prices of Barnes' Worm Emulsion: 16 ozs. 35¢; by parcel post 50¢. 1 qt. 80¢; by parcel post \$1.00. 1 gal. \$2.50. 5 gals. \$10.00; by express or freight only.

### BEE DEE POULTRY POWDERS

A poultry and stock medicine. Highly recommended for all stock and poultry troubles, hog cholera, etc. 25¢ and 50¢ a can; by parcel post 32¢ and 60¢.

### CHICKOLINE

A sure cure for Sorehead or Chicken Pox in poultry. One application will cure almost any ordinary case.

Chickoline is also a fine remedy for cold, roup, diphtheria and canker in poultry; also for head lice on baby chicks.

Per bottle, with brush, 50¢; by parcel post 60¢.

### CHICK TOE PICK REMEDY

Toe, wing and rump picking are the more serious forms of cannibalism, but these are quickly overcome by using Chick Pick Remedy.

Chick Pick Remedy is the color and consistency of blood or raw flesh—it attracts the birds—they think it is blood and pick it—they are surprised to find that the taste is very bad and almost immediately the desire to pick is overcome. Price 50¢; postpaid 60¢.



### Just Paint it on the Roosts!

—Before the chickens perch. Only a small paint brush and a can of "Black Leaf 40" are needed. While chickens roost, fumes are slowly released and penetrate the feathers; killing lice. Eliminates individual handling of birds.

### "Black Leaf 40" Kills Poultry Lice

Simply paint the roost perches; it works while they sleep. 1-oz. bottle 35¢; ½-lb. bottle \$1.25; covers 90 to 120 running feet of roost. 1-lb. bottle \$2.25; 2-lb. bottle \$3.75; 5-lb. tin \$7.00; 10-lb. can \$11.85; f. o. b. Memphis.

### Avenarius Carbolineum (REG.)

Kills Mites or Ticks in Hen Houses  
Avenarius Carbolineum will not only kill mites and fowl ticks by direct contact, but if sprayed or brushed it will penetrate all cracks and crevices and effectually stop their propagation.

Applied once a year—Guaranteed to do the work.

On account of its nice brown color it is also a suitable wood preserving stain for shingle roofs, farm buildings, barns, garages and poultry houses.

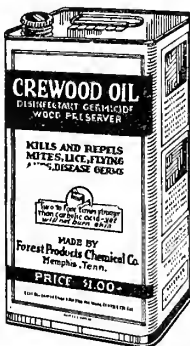
Prices: Gal. can \$1.50; 5-gal. drum \$1.00 per gal. Ask for circulars.

### Chicklivia

Chicklivia is intended to keep chicks in a continuous healthy growing condition; able to digest rich, growing rations, safeguarding their digestion and assimilation and at the same time building up strong red blood, bone, muscle and tissue. Its purpose is to enable the chick to throw off the disease germs that cause White Diarrhea, Constipation, Colds,

General Debility and other chick ailments that make the poultry business so uncertain and hazardous. 1-lb. box, enough to use in 200 pounds chick mash, 50¢; by parcel post, 60¢.

### Crewood Oil



Paint or spray the poultry house with Crewood Oil. Insects, mites or lice cannot survive where it is.

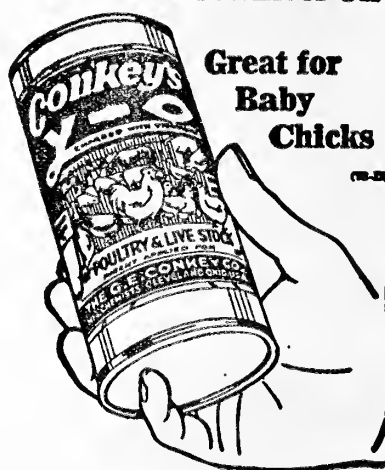
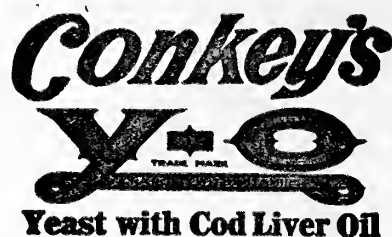
Use Crewood Oil once a month on the perches and wooden parts in the poultry houses. It is a special distilled wood creosote that soaks into the wood and kills the germs and mites instantly.

Apply with a sprayer or brush.

1-gal. can... \$ .90  
2½-gal. drum... 1.50  
5-gal. drum... 2.50  
10-gal. drum... 4.50

### Dicapho

Dicapho reduces the mortality among young chicks. It enables young chicks to get every ounce of food value from their feed, and develop rapidly into strong and profitable fowls. It will also give you more eggs, richer and harder-shelled eggs, eggs that will hatch better chicks. Price: 1 lb. 25¢; 5 lbs. \$1.00; 25 lbs. \$4.00. Postpaid, 1 lb. 35¢; 5 lbs. \$1.20.



### The Improved Form of Conkey's Y. O. Yeast With Cod Liver Oil

Is a concentrated dry powder. All ready for mixing with mash; 2% for grown fowls, 1% for chicks. Insures all the necessary vitamins to prevent breakdown of laying hens. Increases fertility of breeding stock. Improves number and quality of eggs. Makes better hatchlings and chicks that live. Also give it to baby chicks to prevent Leg Weakness. 1-lb. pkg. 55¢; parcel post 65¢. 2-lb. pkg. \$1.00; parcel post \$1.10. 5-lb. pkg. \$2.00; parcel post \$2.15. 25-lb. drum \$7.50; 50-lb. drum \$13.00; 100-lb. drum \$20.50; f. o. b. Memphis.

### Cholérine

An Iron Tonic for Poultry



Cholérine is a highly recommended preparation without an equal for building up the health and vitality of poultry; also for increasing egg production, reducing death loss and helping baby chicks along to maturity.

Highly effective in the treatment of Diarrhea and Cholera. A fine tonic for laying hens, as well as turkeys.

Postpaid:

8-oz. bottle.....\$ .40  
16-oz. bottle..... .75  
Not Prepaid:  
8-oz. bottle..... .30  
16-oz. bottle..... .60  
1 qt..... .85  
1 gal..... 2.00

### Barnes' White Diarrhea Remedy

This remedy is made specifically for White Diarrhea, Coccidiosis and all bowel troubles. Per bottle 50¢; by parcel post 65¢.

## Conkey's Poultry Remedies



They are Guaranteed

Conkey guarantees that your money will be cheerfully returned if you are not satisfied.

	Each	Post-paid
Conkey's Blackhead Remedy.....	35	.45
Conkey's Balmo Canker Special.....	50	.60
Conkey's Cholera Remedy.....	25	.30
Conkey's Gape Remedy.....	50	.60
Conkey's Head Lice Ointment.....	10	.15
Conkey's Healing Salve.....	20	.25
Conkey's Limber Neck Remedy.....	40	.50
Conkey's Lice Fix—Small box.....	20	.25
Conkey's Lice Fix—Large box.....	35	.45
Conkey's Sodium F. Lice Powder—		
Lb. box.....	25	.35
3-lb. box.....	50	.65
Conkey's Lice Powder—15-oz. box.....	20	.30
48-ozs.....	40	.55
Conkey's Poultry Worm Powder—		
Small.....	20	.30
Large.....	35	.50
Conkey's Poultry Laxative—Small.....	20	.30
Large.....	35	.45
Conkey's Poultry Conditioner.....	40	.50
Conkey's Poultry Tonic—1½-lb. pkg.....	20	.30
3-lb. pkg.....	40	.55
7-lb. pkg.....	70	.90
Conkey's Roup Remedy—Small.....	25	.30
Medium.....	50	.60
1½-lb. can.....	150	1.65
Conkey's Roup Pills.....	50	.60
Conkey's Scaleg Leg Remedy.....	20	.25
Conkey's Salvo Sorehead Remedy—		
Small.....	25	.35
Large.....	50	.60
Conkey's White Diarrhea—		
Small.....	25	.30
Medium.....	50	.60
Box 1,200 tablets.....	250	2.75

The following are not available:

	Each
Conkey's Noxicide—Pint.....	35
Conkey's Noxicide—Quart.....	65
Conkey's Noxicide—Gallon.....	1.50
Conkey's Mite Killer—Quart.....	35
Conkey's Mite Killer—½-Gallon.....	60
Conkey's Mite Killer—1-Gallon.....	1.00
Conkey's Lice Liquid—Quart.....	35
Conkey's Lice Liquid—Gallon.....	1.00

## Don Sung Egg Tablets



Makes Hens Lay.  
We guarantee you more eggs or no pay.  
Don Sung is a mineral compound that scientifically helps nature.

Costs nothing to try. Give Don Sung to 15 hens 30 days—if it doesn't show you an increase in eggs—if it doesn't pay for itself and a good profit, your money will be promptly refunded.

Trial size, 45 tablets 50c; large size, 135 tablets \$1.00; special size, 810 tablets \$5.00; parcel post paid.

## E. Z. Y. Roup Chaser

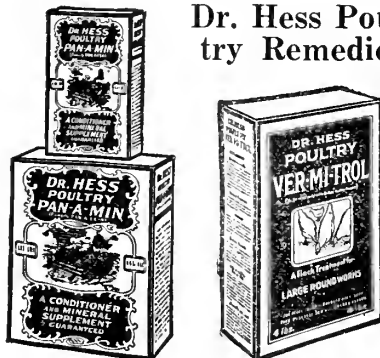
These tablets are for Roup Colds and Bronchial affection in poultry and pigeons. Sold on an absolute guarantee. Per box about 100 tablets 50c; parcel post paid.

## Fleischmann's Yeast

Especially prepared for poultry. Fleischmann's Pure Dry Yeast added to the feed for poultry gives baby chicks a good start, prevents in a large measure diarrhea and dysentery, which destroy such a big percentage of baby chicks every year. It makes young birds grow quickly, giving them increased vitality, also keeps egg production high without forcing the birds.

One tablespoonful daily for 50 chicks. Full directions given with every package. Fine for all livestock. Ask for booklets. 1-lb. can \$1.00; by parcel post \$1.10. 2½-lb. can \$2.00; by parcel post \$2.15.

## Dr. Hess Poultry Remedies



## Dr. Hess Poultry Ver-Mi-Trol

For Worms in Poultry

When your fowls appear lame or have a wobbly gait; when the combs and wattles are pale, that's a good indication that they are infested with worms.

Worms are prevalent in both chicks and adult fowls, and VER-MI-TROL given with PAN-A-MIN as a flock treatment is highly effective as a worm expeller. 4 lb. pkg. \$1.25; by parcel post \$1.40. 10-lb. pkg. \$2.50; parcel post, \$2.75.

## Dr. Hess Poultry Pan-A-Min

has been known to poultry raisers for more than 30 years, as Dr. Hess Poultry Pan-a-ce-a. It is now a greatly improved product. PAN-A-MIN is of high value to moulting hens, in egg production, in reducing chick mortality, in bone and feather growth and in maintaining health. Postpaid, 3-lb. pkg. 65c; 7-lb. pkg. \$1.20; 15-lb. pkg. \$2.25; 25-lb. pkg. \$3.40. Not prepaid, 3-lb. pkg. 50c; 7-lb. pkg. \$1.00; 15-lb. pkg. \$2.00; 25-lb. pkg. \$3.00.

	Each	Post-paid
Dr. Hess Roup Tablets—Box.....	40	.50
Dr. Hess Roup Tablets—Large box.....	75	.85
Dr. Hess White Diarrhea Tablets—		
Can.....	40	.50
Large can.....	75	.85
Dr. Hess Instant Lice Powder—		
1-lb. box.....	20	.30
2½-lb. box.....	50	.60
Dr. Hess Healing Powder.....	20	.25
Dr. Hess Dip and Disinfectant—		
12-oz. size.....	25	
Quart size, f. o. b. Memphis.....	50	

## Henergizer

Poultry Tablets, to promote laying, health, vigor and strength.

A mineralized preparation that will increase egg production if directions are followed. Per box 40c, postpaid.

## QUALITY BABY CHICKS

From the Sterling Hatchery

They are from carefully selected and mated flocks. You won't get chicks from pullet eggs when you buy Sterling chicks.

Remember, it's in the proper mating. If you have been stung, try a shipment of our chicks and you will see the difference when you open the box.

For prices on Sterling Baby Chicks, see page 88.

## Health Paint

A white paint and a powerful disinfectant powder in a combined form. An effective aid in getting rid of lice and mites and other parasites. A pound makes enough to cover 100 square feet. Recommended for poultry houses, pigeon lofts, dog kennels, basements, etc. You can spray it, brush or dust it. 10-lb. carton 75c; parcel post \$1.00. 25-lb. bag \$1.75; 50-lb. bag \$2.50.



## H. W. Poultry Remedy

"H. W." is what poultry breeders have long sought—a single product equally efficient as an aid in warding off or successfully treating most all diseases of chickens, pigeons, turkeys, ducks, geese. For treatment of roup, canker, chicken pox, cholera, white diarrhea, etc., pigeon pox, going light, blackhead in turkeys.

Small size bottle 40c; postpaid 50c.



## Kil-O-Mite

Keeps Mites Out of Poultry Houses

**GUARANTEE**—We guarantee that one application of KIL-O-MITE either by brush or with a sprayer, to the interior walls, dropping boards and roost of such buildings which have been thoroughly cleaned, will exterminate mites and keep building free from vermin for ONE YEAR, OR MONEY REFUNDED. ½ gal. 75c; 1 gal. \$1.25 f. o. b. Memphis.



## K. O. M. Worm Cure

A sure cure for intestinal worms in poultry. Every bottle guaranteed to cure or your money will be refunded. Per bottle, enough to treat 1,000 hens, \$1.00; parcel post \$1.15.

## Kurum

One of the best chick tonics; makes them grow faster and stronger. If you want to prevent and overcome Coccidiosis and White Diarrhea, don't be without Kurum. It will stop all losses within three days. All you have to do is to put a few drops of Kurum in the drinking water and your chicks doctor themselves. ½-pt. bottle, 50c; parcel post 15c each extra.

## Licecil

Kills poultry lice by simply hanging up the bottle in the poultry house. Full directions sent with all orders. 1 bottle 25c; sent by express only.

## Lee's Gizzard Capsules



More than 75% of all chickens are infested with intestinal worms, according to poultry authorities—worms which rob a fowl of its food, lower vitality, decrease egg production, retard growth—rob you of your poultry profits.

The GIZZARD CAPSULE will quickly rid your chickens of both tape worms and round worms. Five times as effective as worm remedies given in food or drink. Why? The GIZZARD CAPSULE is insoluble and carries the medicines intact to the gizzard where it is broken like a grain of corn, releasing the medicines into the worm-infested intestines in full strength and undiluted.

As easy to administer as giving a pill. Adult size for chickens 3 lbs. or more and turkeys 6 lbs. or more. Chick size for chicks 1 to 3 lbs. and turks 2 to 6 lbs. Don't feed worms. Stop this waste and increase your profits. Give GIZZARD CAPSULES now. Satisfaction guaranteed or money refunded.

A wonderful new discovery for worms in poultry. Eliminates both pinworms and tape-worms.

Poultry-size Gizzard Capsules: Box, 50 capsules \$1.00; 100 capsules \$1.75; 250 capsules \$4.00; 500 capsules \$7.00; 1,000 capsules \$12.00. Chick-size Gizzard Capsules: Box, 50 capsules 50c; 100 capsules 90c; 250 capsules \$2.00; 500 capsules \$3.50; 1,000 capsules \$6.00.

## GERMOZONE

Keeps Chickens Healthy



GERMOZONE twice a week in the drink destroys disease germs taken in with the food or water—Keeps the crop pure and sweet—Corrects and prevents diarrhoeas and bowel troubles.

It's the best remedy also for Roup, Colds, Canker, Swelled Head and such disorders. The favorite for more than thirty years.

## Lee's Germozone Liquid

Each Postpaid	
Lee's Germozone Liquid—	
4-oz. bottle.....	\$ .40
12-oz. bottle.....	.75
32-oz. bottle (not mailable) ..	1.50
Lee's Germozone Tablets—	
Small box.....	.25
Large box.....	.75

## Germa-Form

Cures roup, colds, bronchitis and other throat troubles in poultry by simply spraying it around and on the chickens while they are on the roost. The vapors do the work. It is absolutely guaranteed; if it fails, your money will be refunded. 8-oz. bottle, 60c; by mail, 70c.

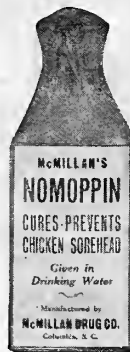
## Nomoppin

Cures and prevents chicken sorehead. Given simply in the drinking water, avoiding individual treatment. Aids egg production. Guaranteed to give results. Small-size bottle 35c; large-size bottle 65c; not mailable.

## Oculum for Poultry

Prevents and cures white diarrhea in baby chicks; a scientific remedy and prevention of poultry diseases.

Each Postpaid	
Trial size.....	\$ .10
Small size.....	.35
Large size.....	.65



## Pratts

## Pratt's Poultry Remedies

Each Postpaid	
Pratt's Lice Ointment.....	\$ .20
Pratt's Poultry Regulator—	
Small pkg.....	.25
Medium pkg.....	.50
12-lb. pkg.....	1.50
25-lb. pail.....	3.00
Each Postpaid	
Pratt's Chick Tablets—Diarrhea—	
Small.....	.20
Large.....	.35
Pratt's N. K. Worm Tablets—	
Package 50, chick size.....	.50
Page 50, poultry size.....	1.00



A perfect scratching material for baby chicks. It absorbs all the moisture from droppings.

Prices: Not prepaid, trial bale, containing 2 bushels (compressed), \$1.35; postpaid, \$1.75. Not prepaid, large 20-bushel bale (compressed) \$3.75; 5 bales @ \$3.60 per bale.



## For Killing Body Lice on Chickens

If Licene does not prove an effective remedy against chicken lice—you are the judge—we will refund your money, if notified within 30 days after purchase of same. Per tube, enough for 100 hens, 50c; by parcel post 60c.

## LeGear's Poultry Remedies



Each Postpaid	
LeGear's Chick Diarrhea Tablets.....	\$ .50
LeGear's Head Lice Ointment.....	.25
LeGear's Lice Powder.....	.25
LeGear's Kamala Poultry Pills for tape worms.....	1.00
LeGear's Nicotine Poultry Worm Pills.....	.50
LeGear's Poultry Prescription—	
Small (1 1/4 lbs.).....	.25
Medium (3 1/4 lbs.).....	.50
Large (8 lbs.).....	1.00
25-lb. pail.....	3.00
LeGear's Poultry Worm Powder (4 lbs.).....	.75

# RUSSELL-HECKLE TOP NOTCH SEEDS SEED COMPANY

MEMPHIS, TENN

## Ray-zem



For the prevention of blackhead and roup in turkeys. Keep your turkeys healthy with Ray-zem. Should be given in drinking water, milk or mash every day. Good also for the older turkeys, as well as roup, cholera, coccidiosis and diarrhea in chickens. Ray-zem has saved thousands of turkeys.

Trial size.....	\$1.00
Postpaid.....	1.10
Medium size.....	2.50
Postpaid.....	2.60
Large size.....	4.50
Postpaid.....	4.65

## Revenge Lice Powder

An oily powder that sticks well to the feathers and will kill all body lice on poultry. Fine for dusting pens. Small can 25c; by parcel post 35c. Large can 50c; by parcel post 65c.

## Group Over



### The Over-Night Roup Remedy

This famous remedy is guaranteed to give complete, prompt and positive results. There is nothing on the market like Group-Over for roup, colds and canker. 50c; \$1.00 size (three times as much, by parcel post), 60c and \$1.10.

## Sodium Fluoride

To Kill Chicken Lice

## TALCIMIZED SODIUM FLUORIDE

The U. S. Department of Agriculture says: "Nothing is as satisfactory as Sodium Fluoride. It kills both old and young lice, including the young which hatch from the eggs present on the fowl at time of treatment." Talcimized Sodium Fluoride is the form for poultrymen to use. Here it is. Ready to use. Each Postpaid

Small size (for 40 chickens).....	\$ .35	\$ .40
Large size (twice as much).....	.60	.70



## Sterilac

A Disinfectant and Germicide

Sterilac is a thoroughly reliable disinfectant, deodorant and germicide, which destroys disease-producing germs and enables the poultry raiser to keep his flock in perfect physical condition.

We recommend it highly for sterilizing dairy equipment, as well as incubators, brooders, etc.

One ounce will make 30 gallons of standard solution, and it is 45 times stronger than carbolic acid and much safer.

2-oz. bottle, postpaid.....\$ .50

8-oz. bottle, postpaid..... 1.50

## Gold Leaf Tobacco Powder



Controls round worm in poultry. Easy to use and very inexpensive. Mix 2 pounds of this extra fine quality Tobacco Powder in 100 pounds of mash and feed 2 or 3 weeks. Alternate this treatment as necessary. Fine also for mixing in dust bath and let the poultry keep themselves free of insects.

2-lb. pkg. ...\$ .25  
Postpaid. .40  
Bulk, 10-lbs. 1.00  
Postpaid. 1.30

## \$1,000 Guaranteed Remedies

We absolutely guarantee these preparations. If you don't get proper results after following directions, you can be the judge; your money will be refunded.

**\$1,000.00 Guaranteed Roach Killer**—35c, 60c, \$1.15 cans; by parcel post, 10c each size extra.

**\$1,000.00 Guaranteed Ant Bane**—35c, 60c cans; by parcel post, 10c each size extra.

**\$1,000.00 Guaranteed Flea Killer**—45c size; by parcel post, 10c extra.

**\$1,000.00 Guaranteed Bed Bug Killer**—35c, 60c sizes; by parcel post, 10c each size extra.



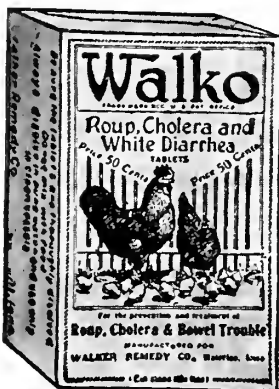
## Water Glass

For preserving eggs. Put your eggs down in the spring and summer and keep them fresh for 10 months with water glass. One pint is sufficient for 6 dozen eggs.

1 pt. size .....25c  
1 qt. size .....40c  
Not mailable.



## Walko White Diarrhea, Roup and Cholera Tablets

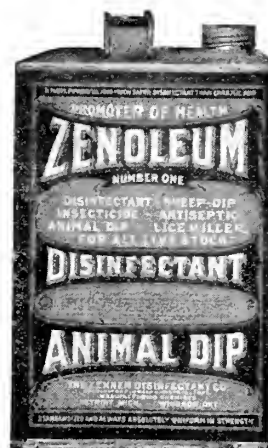


Walko is a reliable germicide, intestinal antiseptic and general correctant. It is especially destructive to the white diarrhea germ, yet perfectly safe to give little chicks in their drinking water as soon as they are out of the shell. It acts as a general tonic. Sold in 50c and \$1.00 size boxes; by parcel post, 55c and \$1.10.

## Worm X

For expelling worms and other intestinal parasites from poultry. Easy and convenient to give; merely mix with the feed. Small pkg., enough to treat 250 hens. Per pkg. 50c; by parcel post 60c.

## Zenoleum



A scientifically compounded preparation. Used for livestock and poultry to prevent lice and mites, as well as general use about the farm, barn and the house. Zenoleum dip and disinfectant.

8-oz. can \$ .35  
1-qt. can .75  
2-qt. can 1.25  
1-gal. ... 1.75  
5-gal. ... 7.00

All prices on Zenoleum are f. o. b. Memphis. We cannot mail Zenoleum.

## NOPCO Cod Liver Oil

Nopco Cod Liver Oil increases egg production, eliminates soft-shell eggs, helps to eliminate blood spots, improves hatchability, produces stronger chicks, builds bone, promotes growth, reduces mortality, gives a better moult, conditions and protects against disease. Chemically tested for purity, biologically tested for vitamins A and D. Vitamin potency of every drop of Nopco Oil proved by raising baby chicks up to eight weeks of age without trace of rickets, although kept in a room without windows, where sunlight never penetrates.

1-qt. can.....	\$ .60	1-gal. can.....	\$2.00
2-qt. can.....	1.00	5-gal. can.....	8.75

F. O. B. Memphis.



## Quality Baby Chicks

You will be pleased with our Sterling hatched chicks. They are from flocks correctly mated and carefully culled. You will receive the most dependable and strong bred-to-lay Baby Chicks, correctly hatched and from the finest laying strains that blood lines and the most intensive care can produce. We guarantee live delivery of strong, healthy chicks, so you take no chance when sending us your order. See page 88 for prices.

## Sulphur Fumigating Candles



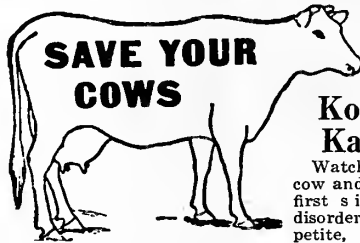
A safe and effective fumigator. Moisture is given off with the gas, producing sulphuric acid gas, which is essential to thorough fumigation. Each 15c; parcel post 20c.



# R.-H. Co.'s STOCK FOODS AND REMEDIES



B-K is a clear, colorless, non-poisonous germ killer used in dilution with water. B-K is absolutely harmless when used around poultry. Every dairyman should keep a bottle of B-K. Fine for sterilizing all dairy equipment, utensils, etc. 10-oz. bottle 50c; qt. bottle \$1.20; 1 gallon \$2.75. Cannot be mailed.



## Kow-Kare

Watch every cow and at the first sign of disorder in appetite, digestion or flow of milk, give a dose of KOW-KARE. It cures abortion, barrenness and scours, caked udder, removes retained afterbirth.

A medicine for cows only. Small size, 60c; by parcel post 70c; large size, \$1.20; by parcel post \$1.35.

## Semi-Solid Buttermilk

Increases egg production. Keeps hens in the best of condition. Start your baby chicks on Semi-Solid Buttermilk as it will prevent coccidiosis and diarrhea. One gallon of Semi-Solid Buttermilk will make nine gallons of liquid. 1-gal. can \$1.00; 5-gal. drum \$3.75; keg, 140 lbs. \$7.75. By parcel post, 1-gal. can \$1.25.



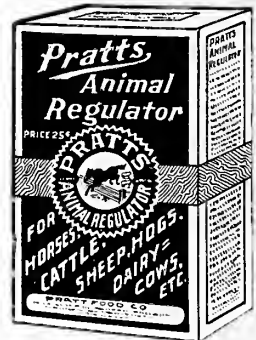
## Semi-Solid Buttermilk With Cod Liver Oil

Each hundred pounds of this product contains four pounds or more than half a gallon of Cod Liver Oil. Feed this Cod Liver Oil and Semi-Solid Buttermilk Emulsion to poultry and hogs just the same as you would feed the straight Semi-Solid Buttermilk. 1-gal. can \$1.15; by parcel post \$1.40; 5-gal. drum \$4.50, f. o. b. Memphis.

## Germo Fly Shoo

1 quart cans.....Each \$ .50  
1/2 gallon cans.....Each .75  
1 gallon cans.....Each 1.25  
Not mailable.

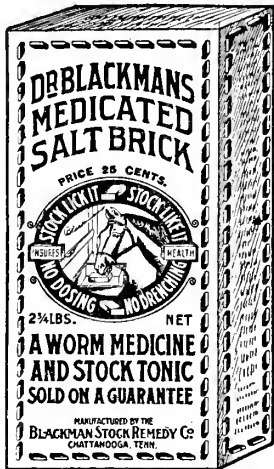
## Stock Powders



	Post- Each paid
Dr. Hess Stock Tonic, 3 1/2 lbs.....	\$ .40 \$ .60
Dr. Hess Stock Tonic, 5 lbs.....	.65 .90
Dr. Hess Stock Tonic, 10 lbs.....	.75 1.00
Dr. Hess Stock Tonic, 15 lbs.....	1.50 1.85
Dr. Hess Stock Tonic, 25 lbs.....	2.50 2.95
Le Gear's Stock Powder, 1 1/2 lbs...	.25 .40
Le Gear's Stock Powder, 3 1/2 lbs...	.50 .70
Le Gear's Stock Powder, 8 lbs...	1.00 1.25
Pratt's Animal Regulator, small...	.25 .40
Pratt's Animal Regulator, medium...	.40 .60
Pratt's Animal Regulator, large...	.75 1.00
Pratt's Animal Regulator, 25-lb. pail	3.00 3.45

## White Hydrated Lime

Everyone knows its value; the best deodorizer. Keeps down diseases, purifies the premises. Be careful and don't let the lime get into the eyes or on your hands. Price: 5-lb. carton, postpaid 50c; not prepaid 30c; 10 lb. pkg. postpaid 65c; not prepaid 40c; 40-lb. bag 85c.



Brick shape, made of purest salt and medicine necessary for treatment of diseases for which it is intended. Per brick 25c; 5 bricks \$1.00. By parcel post, per brick 45c.

## Figaro Smoked Salt FOR CURING MEAT



This is a perfect and complete sugar curing and smoking agent. Combines the sugar with the salt and smoke. You can depend entirely on getting sure results with Figaro Sugar Curing Smoked Salt. 10-lb. box 50c; parcel post 75c.

# FLY-TOX

## KILLS FLIES MOSQUITOES MOths. ROACHES, ANTS, FLEAS



Kills flies, moths, mosquitoes, roaches, fleas, bedbugs, ants, etc. Is clean; has a fragrant odor and will not stain. Can be used safely in any home. Harmless to humans and animals. 1/2 pt. bottle 35c; pt. 50c; qt. 90c; gal. \$3.00, f. o. b. Memphis.

## Fly-Sol

The easy and agreeable way to kill flies, mosquitoes, roaches and other household insects. Does not stain. 8-oz. bottle 35c; 16-oz. 50c; qt. 90c, f. o. b. Memphis.

## Conkey's Fly Knocker

1 gallon cans.....Each \$1.25  
5 gallon cans.....Each 5.00  
Not mailable.



## A Great Worm Destroyer, Digester and Conditioner.

This is different from the Salvat formerly sent out. Buy your salt at home, save money, by using Salvat Medication, a highly concentrated hog and stock medicine that needs mixing only with salt.

Price: 3 lb. pkg. 75c; by mail 95c; 7 1/2 lb. pkg. \$1.50; by mail \$1.75.



## A Penetrating, Soothing Ointment

An effective aid in softening and relieving garget, caked udder, hard or sore teats and inflammation due to external causes. Helps prevent hard milkers when teats and quarters are massaged with U.H. 50c; parcel post 60c.

## Gall-Vet

A reliable antiseptic healer for sores, galls, cuts or chafes from barnness hobbles. Forms coating over sore, protecting it from wind, dirt and flies. Guaranteed satisfactory. 2-oz. bottles 25c; postpaid 30c.



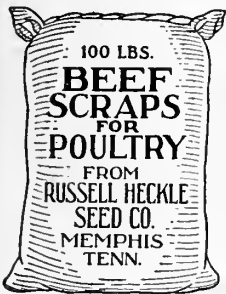
## Bag Balm

Relieves and cures udder trouble, caked udder, cow pox, chapping, inflammation of all kinds in cows. Per box 50c; by parcel post 60c.

## Poke Root Garget Remedy

For that serious disorder peculiar to cows. Poke Root Garget Remedy is well known to dairymen. 1 1/4-lb. can 50c; by parcel post 60c.

# R.-H. Co.'s POULTRY, PIGEON AND STOCK FOODS

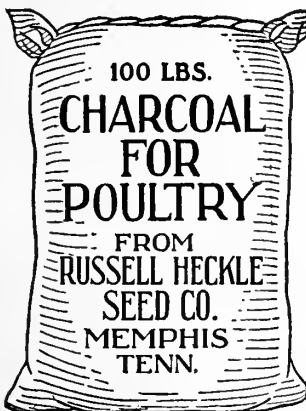


## Beef or Meat Scraps

A standard meat food for poultry of all ages. For success and profit it is absolutely necessary to supply them with plenty of animal food in winter to take the place of bugs and other insects which they

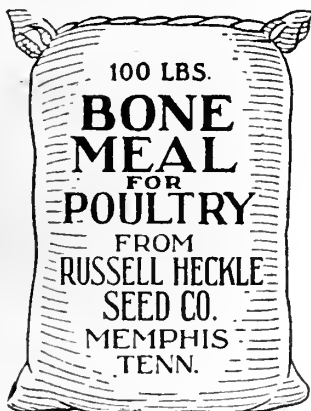
get during the summer months. May be mixed with the mash or fed from a hopper. By freight, 4 lbs. 25c; by parcel post 40c.

## Charcoal



Charcoal aids digestions, promotes health, and is generally corrective of many of the poultry ills to which fowls are heir. A little charcoal goes a long way and is worth its weight in gold. Three sizes—fine for chicks; medium, for half-grown fowls and pigeons; coarse, for full-grown fowls. When ordering, state size wanted. 2-lbs. 15c; 4 lbs. 25c. By parcel post, 2 lbs. 25c; 4 lbs. 40c.

## Poultry Bone Meal

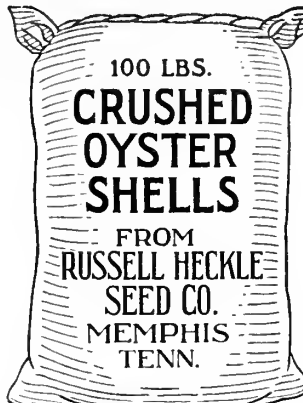


This is especially valuable for poultry as an egg-maker and prevents leg weakness in young chicks. Mix it in their feed. We can furnish the coarse for hen and the fine grade for chicks. 4 lbs. 25c; by parcel post 40c.

## ALFALFA MEAL

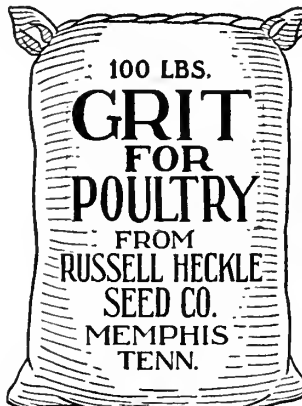
This is alfalfa clover, cured green and cut fine for poultry. It is an excellent substitute for green grass, and increases egg production in winter. Used in poultry mashes. 6 lbs. 25c; by parcel post within 2nd zone, 45c.

## Oyster Shells



Indispensable for successful poultry keeping, as it aids digestion and the formation of egg shells. It is best to have it where the fowls can get at it all the time. Please state whether the "fine" size is wanted for chicks and pigeons, or the "regular" size for grown fowls. 10 lbs. 25c; by parcel post 45c, within second zone.

## Grit for Poultry



A highly essential article for both large and small chicks. Don't fail to provide the fowls with some kind of grit. We can supply all kinds of grit.

For large chickens; for baby chicks.

Be sure to state size wanted when ordering. Price: 10 lbs. 25c. By parcel post within 2nd zone 45c.



## Happy American Beauty Pigeon Feed

is triple cleaned—contains Canada peas, Argentine flint corn, milo maize, buckwheat, red wheat and vetch. 4 lbs. 25c; 10 lbs. 50c; by parcel post within second zone, 4 lbs. 45c; 10 lbs. 75c.

Happy No. 2—Contains no corn or vetch, but in addition has hemp and hulled oats. Prices same as American Beauty.

## LINSEED MEAL

Used in poultry mashes and stock feed. 4 lbs. 25c; by parcel post 40c.

## BLOOD MEAL

Excellent for adding to poultry mashes. High in protein. Helps moulting. 3 lbs. 25c; post-paid 45c.

## Chamberlain's Perfect Chick Starting Grain



Strictly a grain chick feed for starting and developing baby chicks. Contains meat, bone, charcoal, grit, oatmeal, cracked milo and small grains. Does not contain any corn whatever, therefore avoids indigestion and bowel trouble. 8 1/3 lbs. 50c; by parcel post 70c.

## SCHUMACHER'S CALF MEAL

Schumacher Calf Meal takes the place of milk with calves from the time they are a month old. The ingredients supply them in the right quantities for the best development of the calf. Price: 25-lb. bag \$1.25; by parcel post within 2nd zone, \$1.70. We do not break the original 25-lb. bags.



## Sunset Rabbit Mash

Made especially for rabbits by one of the largest breeders in the South, and manufactured in accordance with a formula which has proven highly successful. Contains alfalfa meal, shorts, ground oats, linseed meal, calcium, etc., a balanced ration of digestible feeds and minerals; no other feeds required. Postpaid, 10 lbs. 80c; not prepaid, 10 lbs. 50c.

## ROLLED OAT MEAL

A valuable food for both baby and growing chicks, rabbits, etc. Makes a fine dog food when cooked. By freight: 4 lbs. 25c; parcel post, 40c; 10 lbs. 50c; mailed 80c.

## PIN-HEAD OATMEAL

Pin Head or Steel Cut Oatmeal is a specially prepared oatmeal for chicks. It makes muscle, bone, promotes rapid growth and early maturity. Price: 4 lbs. 25c; parcel post, 4 lbs. 40c.

## DIGESTER-TANKAGE OR MEAT MEAL

A pure lean-beef fibre, carefully dried while fresh, and will keep indefinitely. It is excellent for hog feeding and may be mixed and fed in a mash to great advantage. By freight, 4 lbs. 25c; by parcel post 40c.

## DRIED BUTTERMILK

Dried Buttermilk not only prevents white diarrhea and other poultry troubles but also increases the digestibility of the balance of the ration. 5 lbs. 60c; by parcel post 80c.

## DRY SCIM MILK

Promotes rapid development of chicks. An effective control of coccidiosis. One pound Dry Skim Milk makes one gallon of the mixture. 5 lbs. 60c; by parcel post 80c.

## CANADA FIELD PEAS

Essential for mixing in pigeon feed. 3 lbs. 25c; by parcel post 40c; 10 lbs. 50c; mailed 80c. Quantity Prices: See Green Ink List enclosed for quantity prices on poultry feeds, etc.

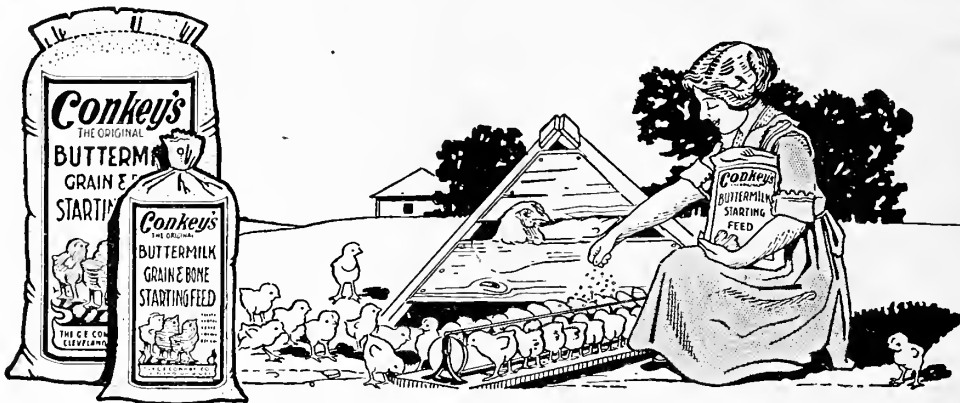


## Red Cross Health Grit for Pigeons

A tonic and grit combined for pigeons; one of the best preparations on the market. Very essential for maintaining the proper health of pigeons. No. 2 XX Red Cross Pigeon Grit, 6 lbs. 25c; by parcel post 45c.

MEMPHIS, TENN

## CONKEY'S VITALIZED BABY CHICK FEED



Conkey's Buttermilk Chick Starter with Y. O. Yeast and Cod Liver Oil is now pronounced by authorities everywhere to be the finest, purest and the best Baby Chick Starter on the market.

Remember, every ingredient is present, therefore Conkey's will raise every livable chick.

Conkey's Buttermilk Chick Starter is appetizing, wholesome, highly digestible, always uniform and complete in every element needed for bone, muscle, feathers and health.

It is a vitalized feed; a combination of digestible food with Buttermilk, Yeast and Cod Liver Oil (Y.O.).

No other Chick Starter contains these much-needed vitamins that keep chicks healthy and strong. It's the Y. O., Yeast and Cod Liver Oil that places Conkey's Chick Starter in a class by itself.

### Conkey's Original Buttermilk Starting Feed With Y. O.



This superior chick mash was the first commercial poultry feed containing buttermilk and Y. O.—that is why we call it the ORIGINAL buttermilk starting feed. Conkey's carries buttermilk with Y. O. in just the right proportion as an aid in prevention of bowel troubles, white diarrhea, "leg weakness," etc.

Prices: 5 lbs. 35c; 10 lbs. 60c. By parcel post within 2nd zone, 5 lbs. 50c; 10 lbs. 80c.

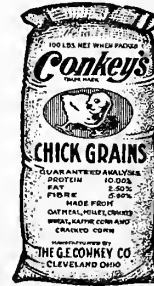
### Conkey's Buttermilk Growing Mash With Y. O.

Ingredients: Semi-solid buttermilk, wheat middlings, wheat bran, corn feed meal, ground barley, hulled oats, bone, meat scraps, bean meal and oil meal and Y. O.



This mash is fed after the chicks are eight weeks old. It is balanced for rapid development of muscles, bones, vital organs and feathers. 10 lbs. 45c; by parcel post within second zone 65c. Ask for quantity prices on Conkey's Buttermilk Starting and Growing Mash.

### Conkey's Fine Chick Feed

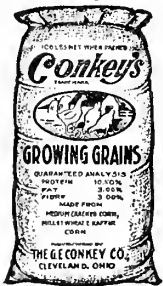


Extra fine quality and composed only of sound, wholesome grain carefully and scientifically balanced. No stale or damaged grain is ever used in preparing this feed.

**How to Feed Chick Grains**—When the chicks are 14 days old, begin giving them two feeds a day of Conkey's Chick Grains. Feed the grains sparingly at first in the litter every morning. Give a moderate feeding of the Chick Grains in the evening.

Price: Conkey's Fine Chick Feed—10 lbs. 40c; by parcel post within 2nd zone 60c.

### Conkey's Growing Grains



A mixture of small grains for growing chicks. Commence feeding when they are 12 weeks old. Conkey's Growing Grains are always of the best quality. 10 lbs. 35c; by parcel post 55c.

Quantity Prices: For quantity prices on Poultry Feeds, see Green Ink List enclosed.

### Conkey's Y. O. Yeast With Cod Liver Oil

Is a concentrated dry powder. All ready for mixing with mash. 2% for grown fowls, 1% for chicks. Insures all the necessary vitamins to prevent break-down of laying hens. Increases fertility of breeding stock. Improves number and quality of eggs. Makes better hatches and chicks that live. Also give it to baby chicks to prevent Leg Weakness. 1-lb. pkg. 55c; parcel post 65c; 2-lb. pkg. \$1.00; by parcel post \$1.10; 5-lb. pkg. \$2.00; by parcel post \$2.10.



### O. K. Poultry Litter



A perfect scratching material for baby chicks. A deodorizer, absorbent disinfectant and labor-saving litter. It absorbs all the moisture from droppings.

Trial bales containing 2 bushels, compressed, \$1.40; postpaid \$1.65. Large bales containing 20 bushels, compressed, \$3.75; 5 bales at \$3.60 per bale, f. o. b. Memphis.

### Raise Them On Conkey's

If you lose in the first six weeks you lose for the whole year. Why experiment with improperly balanced, poorly mixed, so-called "Cheap feeds?" Play safe; buy Conkey's Buttermilk Starting Feed with Y. O. Place your order today. Use Conkey's the first six weeks.



### RUSSELL-HECKLE'S STERLING CHICKS

Sterling Chicks are No. 1, XX grade, pure strains, dependable. They are from properly mated flocks, hatched right, and will live if given proper attention.

Prices, delivered to your Post Office and 100 per cent live delivery guaranteed.

Shipment: January, February, March; prices cash in advance.

	25	50	100
Barred Rocks	\$3.50	\$6.50	\$12.00
Rhode Island Reds, S. C.	3.50	6.50	12.00
White Rocks	3.50	6.50	12.00
White Wyandottes	4.00	7.50	14.00
White Leghorns	3.00	5.50	10.00
Mottled Anconas	3.00	5.50	10.00
Dressed Heavy Breeds	3.00	5.50	10.00

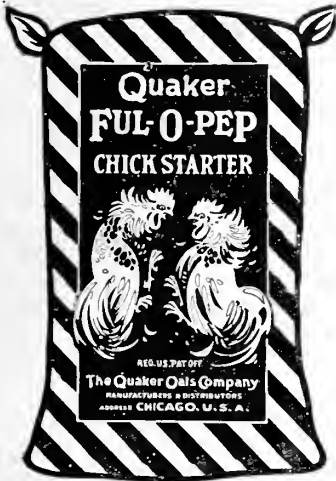
Prices for April, May and June, 1 cent per chick less.

# Quaker

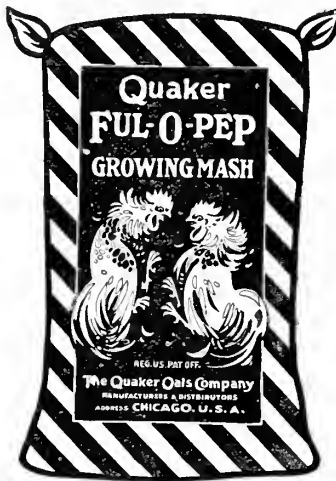
## FUL-O-PEP POULTRY FEEDS

Quaker Ful-O-Pep Poultry Feeds are built to the highest standards of production. Each is carefully mixed to fill its special purpose. All Ful-O-Pep Mashs contain oatmeal. Actual tests have proved that birds fed oatmeal feeds give the best and quickest weight and laying results. Each mash is properly balanced with a variety of high-grade ingredients.

**Ful-O-Pep Chick Starter**



**Ful-O-Pep Growing Mash**



**Ful-O-Pep Egg Mash**



Ful-O-Pep Chick Starter is just the feed chicks need during the first six weeks after hatching. It contains oatmeal, other grain products, cod liver meal, molasses and minerals. It reduces the mortality rate of the flock. Strong bones, firm flesh, and healthy, hardy birds result from its use. 8 1/3 lb. pkg. 50c; by parcel post within second zone 70c.

This balanced feed offers poultry raisers a profitable short cut to marketable meat birds and egg-producing pullets. It should be fed from the sixth week until the sixth month. Oatmeal in the mash insures an unusual quantity of fine-fleshed, delicate-flavored breast meat. 8 1/3 lb. pkg. 35c; by parcel post within second zone, 55c.

This mash keeps hens healthy, active, and eager to lay. It contains oatmeal, other grain products, molasses (in dry form), necessary minerals, proteins and carbohydrates—just the things hens need to make quantities of eggs. Results accomplished keep the actual feed cost of the eggs remarkably low. 8 1/3 lb. pkg. 35c; by parcel post within second zone 55c.

**Ful-O-Pep Fine Chick Feed**



**Ful-O-Pep Coarse Chick Feed**



**Ful-O-Pep Scratch Grains**



High quality milling grains have been carefully cracked to the right size for baby chicks. For the best results it should be fed with Ful-O-Pep Chick Starter until the chicks are six weeks old. 8 1/3 lb. 35c; by parcel post within second zone, 55c.

Ful-O-Pep Coarse Chick Feed contains a mixture of assorted grains. It is suitable for feeding after the chicks are six weeks old. Fed with Ful-O-Pep Growing Mash it completes the feed requirements for a growing bird. Only fresh grains of the best quality are used. Sold in bulk only, 10 lbs. 40c; by parcel post within second zone, 65c.

Ful-O-Pep Scratch Grains contain an assortment of small and cracked grains. Best egg production results are attained when it is fed with Ful-O-Pep Egg Mash. Poultry specialists recommend feeding Ful-O-Pep Scratch Grains to laying hens once each day (about one hour before the birds go to roost). 8 1/3 lb. 30c; by parcel post within second zone, 50c.

## FUL-O-PEP FATTENING FEED

This feed has been built to fill the needs of poultry raisers or poultry dealers who are fattening fowls for the market. Special ingredients make it easily digested. Ask for price.

Prices on 25-lb., 50-lb. and 100-lb. bags of Ful-O-Pep Poultry Feeds are given on Special List in this catalog.

**FOR QUANTITY PRICES: SEE GREEN INK PRICE LIST ENCLOSED**



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THE MAHAN PECAN

We take great pleasure in offering our customers the opportunity of securing trees of the new Mahan Pecan, a real horticultural sensation that is sweeping the country.

We show a picture of a tree only 19 months after planting, bearing over a pound of nuts. So far the nuts have brought wholesale over \$1.00 per pound.

We are of the opinion the Mahan Pecan will succeed in this section, as it has produced good crops where Stuart, Success and Schley have been grown successfully.

The Mahan nut is a giant in size, supreme in quality, thin shell, attractive to the eye.

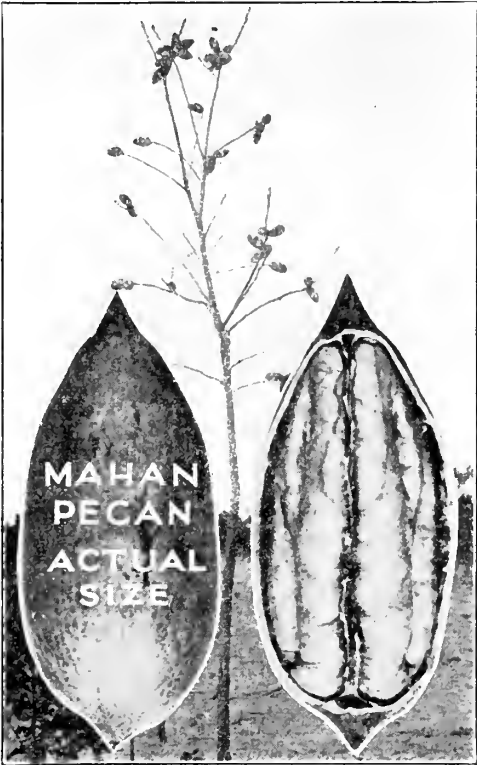
Years of closest observation fail to disclose any scab either in tree or nut. Nuts are very large, run 33 to the pound.

Origin of the Mahan Pecan

Eighteen years ago Mr. J. M. Chestnut of Kosciusko, Miss., was visiting the State Fair at Jackson, Miss., and persuaded a man roaming around with a glass jar of fine pecans to sell him five of the nuts for \$1.00. Mr. Chestnut took them home to Kosciusko and planted them. One of the young trees showed exceptional vigor, it started bearing very early, and the nuts were much larger than the original nut planted.

This tree continued to bear good crops and when it was 14 years old bore about 80 pounds of nuts.

The tree is a vigorous grower, unusually large, beautiful foliage, prolific early bearer, and an annual producer.



MAHAN PECAN TREE AND NUTS  
Nineteen months after planting, bearing over a pound of nuts.

Prices of the Mahan Pecan Trees

All size trees are the same price, first orders being given preference on the larger trees. Size of trees three to four feet. If you wish small trees, state so.

Deliveries begin early in February and continue during the planting season.

The Mahan Pecan is sold only under a special non-propagating agreement, which must be agreed to by signing the agreement below.

The trees we offer are grown by the Monticello Nursery Co. and will be labeled "Mahan" with an aluminum label and copyrighted.

Prices	
F. O. B. Nursery	
Price single tree .....	Each, \$6.50
Price of 2 trees .....	Each, 6.00
Price of 3 to 5 trees .....	Each, 5.50
Price of 6 or more trees .....	Each, 5.00

Extra order blanks with Agreement  
Blanks sent on application.

No other variety of pecan was ever known to bear so many pecans at such a young age.

Plant trees as early as possible in February. Soak roots well before planting.

Complete directions for planting furnished with orders.

ORDER BLANK FOR MAHAN PECAN TREES

RUSSELL-HECKLE SEED CO.,  
Agents for Monticello Nursery Co.,  
Memphis, Tenn.  
Gentlemen:

Place.....

Date .....

You may enter my order for.....Mahan (trade-mark registered) Pecan Trees

....., at \$.....each,

to be shipped about .....

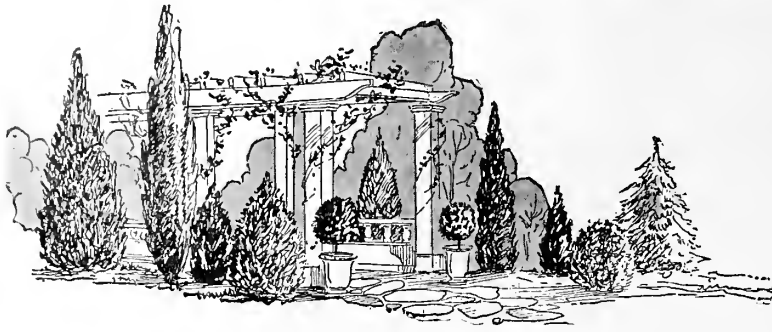
to.....

via express collect. Terms of payment not less than 20% with order and balance before trees are shipped.

Realizing the advantages of having all propagating of the Mahan variety done by one nursery, so as to keep the strain clear and true to type, and realizing the great expense of the widespread testing and investigation of the Mahan variety and the great cost of its introduction, it is a protection to the general public as well as the Monticello Nursery Company from the imposition of substitution and misbranding often practiced by unscrupulous dealers. This is intended to prevent fakirs from misbranding and marketing inferior varieties of pecans and pecan trees as genuine Mahan. Furthermore, this will enable nut growers who purchase genuine Mahan pecan trees to reap the rewards of the high prices on the nut markets for the Mahan nuts without having the damaging influence of bogus and inferior sorts which may be substituted as genuine. Thus the reputation of the Mahan for being the finest quality pecan in the world, with thin shell, large size, early bearer, luxuriant grower, and most profitable to raise will be maintained and protected by the co-operation of the Monticello Nursery Company and the purchasers of all Mahan trees, for the general good of all purchasers. Therefore, in addition to the money considered I will also agree not to allow anyone either directly or indirectly to use the Mahan trees purchased from you or any wood or buds from the trees for propagating purposes nor will I myself use the Mahan trees or buds or wood from the trees for propagating purposes, before 1937. In the event that any part of this covenant is breached or violated, you or your assigns are to have the right to apply for and obtain injunction or other legal remedy from court of proper jurisdiction.

(Signed).....

Mail address.....



## SPECIAL COLLECTIONS

**Evergreens  
Fruit Trees**

**Roses  
Shrubs**

These collections are made up of popular and desirable varieties well suited for the South. All plants and trees are well rooted, of good size, carefully packed, and as they will go to you direct from the nursery, will reach you in good condition. These collections should not be confused with small second grade stock and are genuine bargains. This is an opportunity to purchase your plants at most reasonable prices. No changes will be allowed in the collections nor in quantities of a variety.

## Coniferous Evergreen Collection

ONLY \$7.50—Delivered by Freight

All large, well-developed Evergreens, mostly 18 to 24 inches high, balled and baled, so roots do not dry out and they will be sure to grow.

When planting, leave burlap on. Don't disturb the earth. Regular value of this collection is \$10.00. Our special price only \$7.50, delivered to your depot.

- 1 Bonita Arbor Vitae—One of the most attractive of all the Arbor Vitae; foliage dark solid green.
- 1 Norway Spruce—Pyramidal in shape, fine for specimen planting, rapid in growth and easily transplanted.
- 1 Pfitzer Juniper—The finest of all dwarf evergreens; foliage green, with slight blue tinge.
- 1 Stricta Juniper—A low, bushy variety, with grayish-green foliage, desirable for formal plantings.

All above plants are 15 to 18 and 18 to 24 inches high. Come to you balled and baled for only \$7.50 delivered.

## Broad Leafed Evergreen Collection

Special Offer—Four Large Plants, Only \$4.00 Delivered

All nice size, strong plants that will make a good showing. As a background for flowering shrubs or dwarf plants, Broad Leaved Evergreens will be found very desirable.

- 1 Abelia Grandiflora—Foliage small, dark green and glossy; borne on graceful, arching branches which show a distinct red color; has small pinkish-white bell-shaped flowers.
- 1 Wax Leaf Privet—Has very dark green wax-like foliage; an ideal plant for mass planting.
- 1 Euonymus Japonica—Easily grown; an excellent foliage plant, quite hardy; has glossy deep green foliage.
- 1 Japanese Privet—Grows tall and stands trimming well; grows rapidly; leaves deep green; a beautiful Evergreen Shrub.

Regular value on above 4 Evergreen Shrubs, \$5.25. Delivered to your freight office for only \$4.00.

## Flowering Shrub Collection

Six fine, strong two-year plants specially offered for only \$2.50 delivered. Regular value \$4.00.

- 1 Butterfly Bush—A beautiful shrub with lavender flowers.
- 1 Deutzia—Always desirable; succeeds in almost any situation; white flowers.
- 1 Forsythia—Blossoms very early; the yellow blossoms are known as golden bells.
- 1 Hydrangea—A hardy variety of this well-known shrub.
- 1 Spirea—Valuable for border work; has clusters of red flowers.
- 1 Weigela—Produces pink, bell-shaped flowers.

Above six fine shrubs only \$2.50, charges prepaid.

## Everblooming Rose Collection

Four extra strong, two-year No. 1 grade Everblooming Bush Roses, only \$1.75, postage paid.

We know these varieties and plants will please you. Try one or more collections.

- 1 Bessie Brown—Free bloomer; has full, large double white flowers.
- 1 Columbia—Clear, deep pink; very fragrant; one of the most desirable pinks.
- 1 Lady Hillingdon—Golden yellow; beautiful pointed bud.
- 1 Gruss au Teplitz—Bright crimson, cup-shaped, semi-double flowers borne in clusters.

Regular value \$3.00. Sent to you, all charges paid, for only \$1.75.



## Fruit Collection

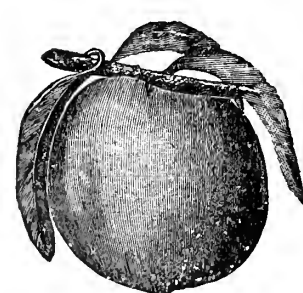
These are all first grade trees, true to name, guaranteed free of disease.

Six trees only \$2.25, delivered to your railroad office.

- 1 Mayflower Peach, 4-5 ft. high
- 1 Elberta Peach, 4-5 ft. high
- 1 Early Harvest Apple, 4-5 ft. high
- 1 Delicious Apple, 4-5 ft. high
- 1 Early Richmond Cherry, 3-5 ft. high

1 Kieffer Pear, 4-5 ft. high  
At regular values the above costs \$3.50. Sent to you, all charges prepaid, for only \$2.25.

No changes allowed in these collections.

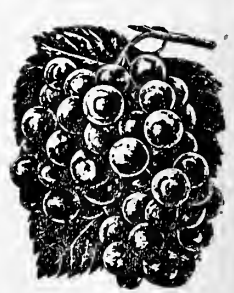


## Grape Collection

Where space is limited the Grape will give better results than most any other fruit. Fertilize them a little, prune them each year and you will be well repaid for your trouble.

Six fine, strong two-year Grape Vines only 75c, postage paid.

- 1 Diamond, Greenish-white, juicy
  - 1 Concord, Bluish-black, sweet
  - 1 Delaware, Small red, delicious flavor
  - 1 Lurie, Large red, sweet and tender
  - 1 Moore's Early, Early jet black, large size
  - 1 Niagara, Large, white, very juicy
- Six fine two-year Grape Vines only 75c, postage paid.



MEMPHIS, TENN.

EXPRESS OR FREIGHT OFFICE\_\_\_\_\_

Russell-Heckle Seed Company give no warranty, express or implied, as to description, quality, productiveness, of any seeds, plants, bulbs, or nursery stock they send out, and they will not be in any way responsible for the crop.

Most of the failures with seeds, plants, bulbs, etc., are due to unfavorable weather or soil conditions, too deep or shallow plantings, etc., all causes beyond our control; therefore, it is impossible for us to guarantee success.

But you can take our seed home, examine them, test them, call in your neighbor or County Agent, and if you feel you have not gotten your money's worth, or our seeds are not as represented, return them at once, and we will cheerfully refund your money. Our customers are satisfied customers.

USE THIS ORDER SHEET IF POSSIBLE. IT AIDS IN FILLING ORDERS PROMPTLY.



Select any six 5c size for.....	\$ .25	Select any three 10c size for.....	\$ .25
Select any thirteen 5c size for.....	.50	Select any seven 10c size for.....	.50

We pay parcel post at above rates, but allow no further discounts.

We pay parcel post at above rates, but allow no further discounts.

[illegible]

**FREE FLOWER SEEDS.** When mailing us your order, write on lines below five names and addresses of your neighbors or friends who buy seeds, bulbs, plants, poultry supplies, fertilizers, etc., and we will send you free five packets of fresh desirable Flower Seeds. Just put down names that you think will want seeds, etc., and we will do the rest.

[illegible]

**WE PAY POSTAGE** on all seeds quoted by the packet, ounce, quarter pound and pound, also on pints and quarts of Peas, Beans and Sweet Corn, and on plants and bulbs except where noted otherwise, and upon all goods quoted in our catalogue where it says: Parcel post paid.

# Germaco Hotkaps for Earlier Crops



## Protect plants from frost *for earlier crops and higher prices*

**G**ERMACO HOTKAPS are patented wax paper cones that completely cover each plant—the only way to fully protect them from frost. They are an “individual hothouse for each plant,” protecting them not only from frost, but from wind, rain, ground-crusting, and insects as well. This is your assurance of earlier, bigger crops, and early-to-market prices.

HOTKAPS are quickly and easily “set.” One man can set over 2,500 of them in a day. The illustrations on the left show how they are placed with the aid of the Germaco HOTKAP Setter and Tamper. Thousands of progressive farmers in every state are now regular users of this modern crop necessity. They are getting bigger, hardier crops and greater profits than ever before.

Write us today about this money-maker, or simply order your season's supply now.

Prices: HOTKAPS are packed 100, 250 and 1,000 to the package. All orders should be in multiples of these quantities.

100 with Garden Setter and Tamper.....	\$ 2.50
By mail .....	2.75
250 with Garden Setter and Tamper.....	4.00
By mail .....	4.30
500 with Garden Setter and Tamper.....	7.00
By mail .....	7.60
1,000 Hotkaps without Setter.....	11.50
5,000 Hotkaps without Setter, per 1,000.....	11.00
10,000 Hotkaps without Setter, per 1,000.....	10.75
F. O. B. Memphis	

Germaco Hotkap Steel Setter with Tamper.....	2.50
By mail.....	2.65
Garden Setter alone.....	.40
By mail.....	.50

Where large quantities are to be set the Steel Setters should be used, consequently the 1,000 packages do not include the Papier Mache Garden Setter.

Weight: 1,000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; steel Hotkap Setter, 3 lbs.

**Germaco**  
**Hotkaps**



1. Place  
HOTKAP  
in Setter



2. Place  
Setter  
Over  
Seed or  
Plant



3. Cover  
Outside  
Edge of  
HOTKAP  
With Soil

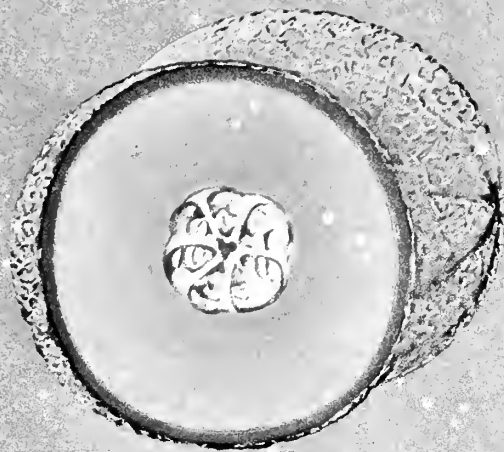


4. Tamp  
Soil  
Around  
Edge of  
Setter



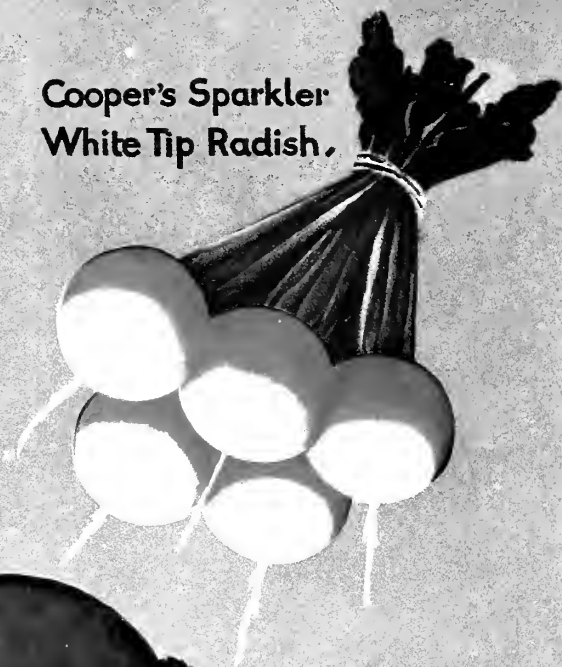
5. Remove  
Setter from  
HOTKAP.  
One Man  
Can Place  
2,500  
HOTKAPS  
per Day

# TOP NOTCH SEEDS 1931



Pink Meat Rocky Ford  
Cantaloupe

Cooper's Sparkler  
White Tip Radish.



Detroit  
Dark Red Beet



New Wonder Watermelon /

**RUSSELL-HECKLE SEED CO**  
**MEMPHIS, TENN.**